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3 1 7 3 VOL. CXXXIII **NOVEMBER 30, 1940**

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½ DOZ.	Add 163% for Purchase Tax	• •	• •	• •	5
	Your Actual Cost Price	• •	• •	• •	2/11 ½ DOZ.
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I DOZ.	Add 163% for Purchase Tax		• • •		7
	Your Actual Cost Price				4/- I DOZ.
SUGGESTED 3d. LINE	V C D C				
25 TABLETS	Your Cost Price per Gross Add 163% for Purchase Tax	• •	• •	• •	20/6 3/5
10 17,101210	Your Actual Cost Price	• •	• •	••	23/11 GROSS
	Tour Accuar Cost Trice	• •	••	• •	25/11 01055
PACKED STANDS	Or per Stand or Card of 2 doz	Z	• •		3/5
2 DOZ.	Add 163% for Purchase Tax	• •	• •	• •	
	Your Actual Cost Price	• •	• •	• •	4/- 2 DOZ.
SUGGESTED 2d. LINE	Your Cost Price per Gross				12/-
12 TABLETS	Add 163% for Purchase Tax		• •		2/-
	Your Actual Cost Price	• •	• •	••	14/- GROSS
STANDS OR CARDS OF	Or Per Stand or Card of 2 doz	z			2/-
2 DOZ.	Add 163% for Purchase Tax				4
	Your Actual Cost Price	• •	• •		2/4 2 DOZ.
SUGGESTED Id. LINE	Your Cost Price per Gross				6/-
5 TABLETS	Add 163% for Purchase Tax	• • • • • • • • • • • • • • • • • • • •		• •	i/-
	Your Actual Cost Price			••	7/- GROSS
STANDS OR CARDS OF	On pan Stand on Cond of 3 do-				1/4
3 DOZ.	Or per Stand or Card of 3 doz Add 163% for Purchase Tax		• •	• •	1/6
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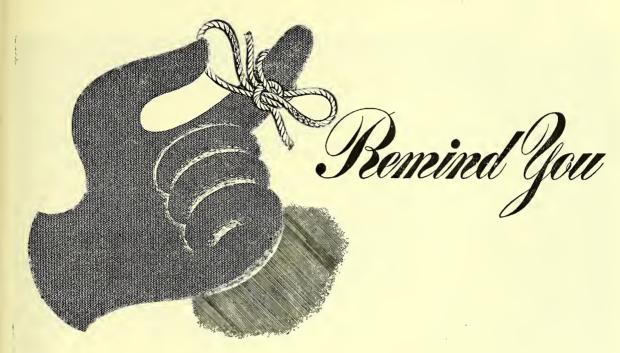
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We are advising members of the trade to this effect through the post. But clients who have not yet received notification should write to us at once in order to ensure that no one is inadvertently overlooked.

The actual products affected are Halibut Oil, liquid and capsules, and Halimalt. The other Halibut Oil products, i.e., Halycitrol, Halycalcyne, Halibut Oil Ointment and Halidexol are still subject to the tax.

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Out 011					
	Li	quid			
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15 c.c.	vials	-	-	-	5/
30 c.c.	vials	-	-	-	9/
Vials o	-	sules		_	2/0
			,		
Vials o	001 1	caps	ules	-	8/

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ı lb. Jars -	-	-	-	2/6
2 lb. Jars -	-	-	-	4/6
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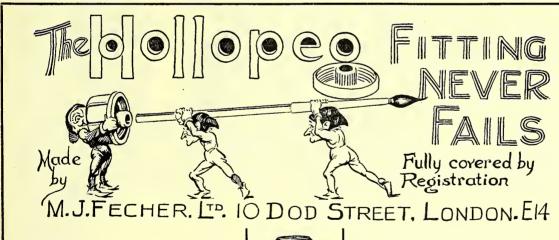
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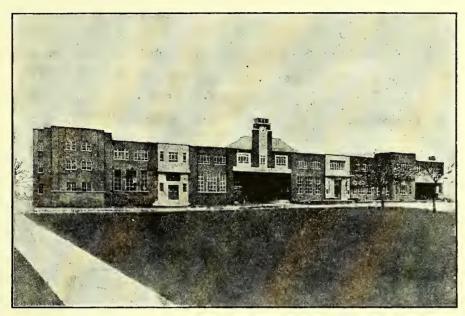
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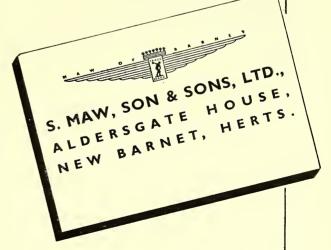
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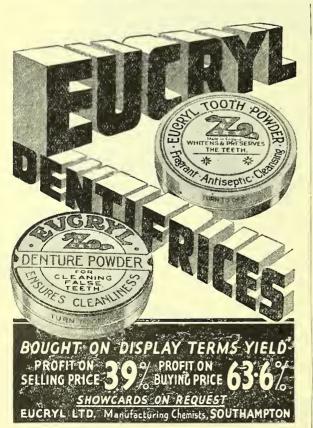
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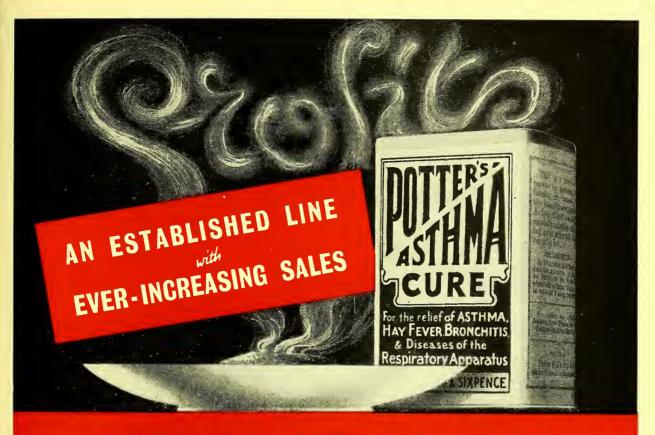
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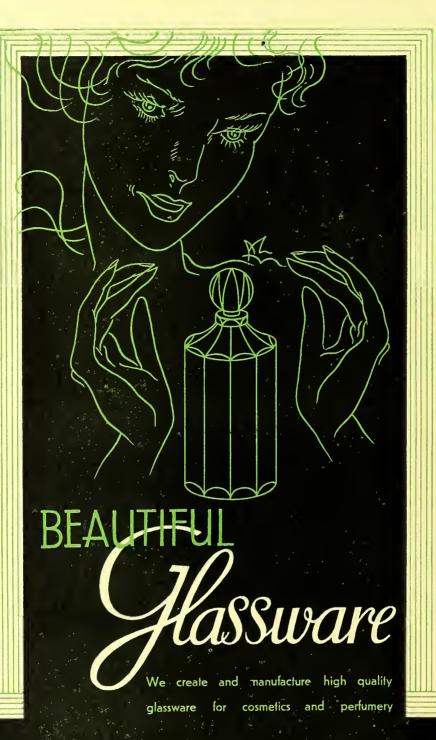
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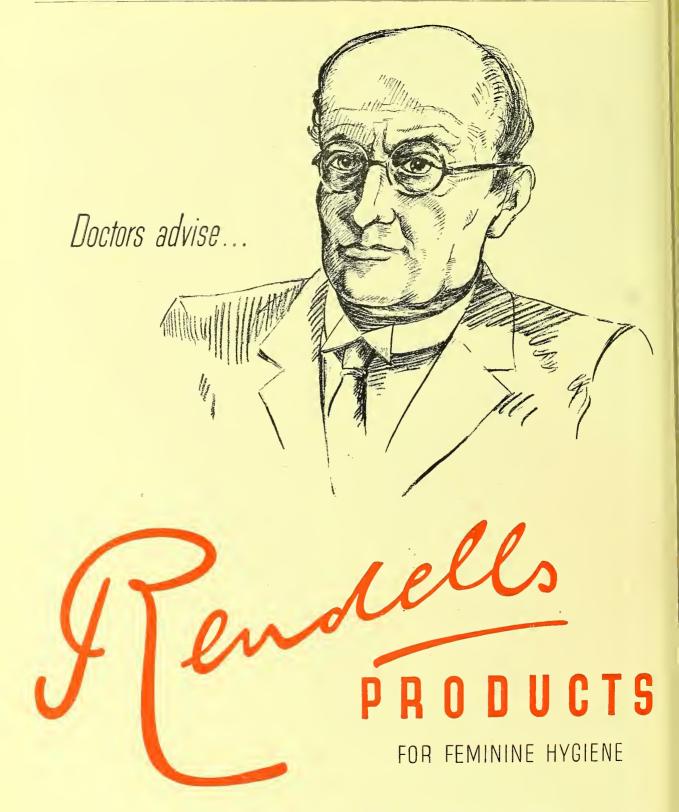


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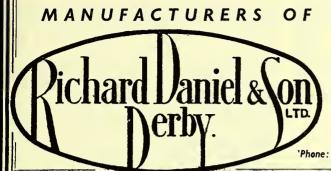
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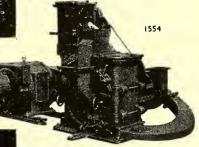
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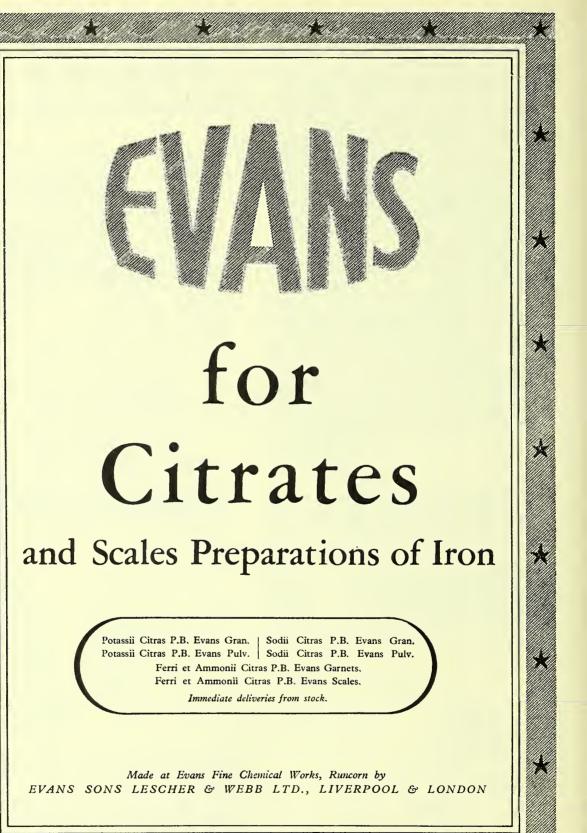
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NEWS OF THE WEEK

Torch Batteries.—The Board of Trade have issued as S. R. & O. 940, No. 1972, The Dry Batteries (Prices) (No. 2) Order. This regulates he prices at which various classes of batteries may be sold. Copies of he Order may be obtained from H.M. Stationery Office, price 1d.

Goods Returned to the United Kingdom.—The Board of Trade nnounce the withdrawal as from December 2 of the concession under hich goods returned to this country in the same state as exported or fter repair were by arrangement with H.M. Customs and Excise dmitted without the necessity of the production of an import licence. mport licences will, therefore, be required in future for these goods.

Compulsory Canteens.—The text of the Factory Canteens Order as now been issued. It provides that in any factory engaged on work n behalf of the Crown, and employing more than 250 persons, the hief Inspector of Factories, acting on behalf of the Minister of Labour nd National Service, may require the provision of a canteen. The anteen must be "in, or in the immediate vicinity of, the factory," and ot meals must be provided.

Sales of Non-rationed Goods.—The Minister of Food has received a umber of inquiries from retailers and their customers in regard to the ight of the retailer to refuse to supply non-rationed goods to customers ot registered with him. In order to deal with such cases, the Minister as decided to amend the Food (Conditions of Sale) Order, 1939, so as o place it beyond doubt that, subject to certain safeguards, retailers vill be entitled to refuse to sell non-rationed goods to customers that are ot registered with them. An Order has been made for this purpose.

Christmas Bank Holiday.—The Treasury announce that the Bank folidays appointed for Christmas Day in Scotland and Boxing Day n England and Wales and Northern Ireland will be cancelled, and that a Defence Regulation to this effect is in preparation. The Regulation vill ensure that industrial agreements relating to these Bank Holidays vill not be affected by the cancellation. The Regulation will also rovide that Bills of Exchange due on December 26 in England and Vales and Northern Ireland shall, with the exception of Bills at Sight or on Demand such as cheques, be payable on December 27 as if Boxing Day were still a Bank Holiday. Banks will be open as usual, for business n Christmas Day in Scotland and on Boxing Day in England and Wales and Northern Ireland.

Protection of Glass in Factories.—The Minister of Labour and National Service has made an Order for the protection of glass in actories. It applies to factories in which more than 250 persons are mployed, and requires the employers to provide and maintain safeguards—by way of fencing, the use of alternative materials, or otherwise -against the risk to employees from injury by broken glass from windows, skylights, and internal partitions. These requirements have general application unless it is shown that in any factory the workpeople "are not employed in the performance of services essential for he defence of the realm or the efficient prosecution of the war or sential to the life of the community." The Order is accompanied by circular, which tells employers in the first place that the safest course s to take out the glass and to substitute non-splintering materials.

Purchase Tax.—Further decisions regarding the liability to purchase ax of certain articles are published by the Customs and Excise as supplementary to those already given in C. & E. Notice No. 78. The following are the items of interest to the drug trade which are affected by the new rulings. Class 19 (Drugs and Medicines).—Chargeable at the rate of 16²/₃ per cent. Sanatogen. Not chargeable. Emulsion of Cod Liver Oil, B.P. Addendum, preparations of a similar composition but containing less cod liver oil, preparations of a similar composition but containing flavouring agents other than oil of bitter almonds; any article put up solely as a diagnostic agent; Chloroform (Anæsthetic) and other chloroform not put up for medicinal use (see Notice 78, Class 19 (I) (a)). The following items which are taxable when put up for medicinal veterinary or toilet use should be added to the list under

class 19 (1) (a) of Notice No. 78: Ammoniated glycyrrhizin; asparagin; catechu; catechu black; cudbear; iron; lead monoxide; litmus; mercury; methyl chloride; orchil; sulphurous acid. It should be also noted that the item (Ammonium Salts) in list No. 78 does not include ichthammol which is taxable.

Society's Treasurer at Sheffield.—At a meeting of the Sheffield Branch of the Pharmaceutical Society, held on November 7, the chairman (Mr. J. T. Appleton) presiding, an address was given by the Society's treasurer (Mr. H. W. Wallis) on "The Work of the Council." In his opening remarks Mr. Wallis referred to the loss pharmacy and Sheffield had sustained by the death of Herbert Antcliffe. Outlining efforts made by the Council to obtain exemption from the purchase tax of drugs and dressings, Mr. Wallis said they had succeeded in getting the promise of amendments to the list. Mr. Wallis emphasised the Council's persistence with the authorities over the military-service position. He gave details of the financial position of the Society and stressed its gravity. Income from examinations had declined by £5,000, and non-publication of a new Codex was a further loss of income. The speaker made an impressive appeal for the war-aid service fund. Questions by Mr. J. Austen on the purchase tax, by Mr. Fowler on the military-service position, and by other members, were answered by the speaker. The resolution on the need for control of patent medicines put on the market to be submitted by the Branch for the next British Pharmaceutical Conference was moved by Mr. Sewell and passed unanimously; it was agreed that it should be sent to the Council.

IRELAND

Irish Chemists' Golfing Society.—The annual meeting will be held at Jury's Hotel, Dublin, on December 16, when the election of officers, and the compilation of the fixture list for 1941 will take place. A full attendance of members is requested.

Unlawful Sale and Poison.—At Longwood District Court, co. Meath, on November 19, James A. O'Grady, merchant, Enfield, was prosecuted at the instance of the Pharmaceutical Society of Ireland for a breach of Section 30 of the Pharmacy Act by keeping open shop for the sale of poisons without having a qualified person in charge, and further with a breach of the Sale of Poisons (Ireland) Act by selling sheep dip containing poison in a package which had not the name and address of the The Justice having found both summonses proved applied the Probation Act in the case of the summons under the Pharmacy Act. In the summons under the Poisons Act he imposed a fine of five shillings.

SCOTLAND

Lecture on Hydroponics.—Hydroponics, or the water culture of plants and food crops, was explained by Mr. William Mair, M.P.S., F.R.S.E., F.G.S., when he addressed the Soroptimist Club of Edinburgh on "Domestic Chemistry" recently.

Research on Bracken.—The possibility of extracting potash from bracken was urged as a subject for research by a speaker at a recent meeting of the Highland and Agricultural Society in Scotland. Dr. J. F. Tocher (the Society's analyst) is to make experiments.

Edinburgh Chemists' Golf Club.—The annual meeting was held at 36 York Place, on November 15, when reports were approved, and office-bearers were elected as follows: Captain, R. L. Munnoch; Vice-Captain, J. B. McCaig; Secretary, W. H. Chambers; Treasurer, A. S. Cooper; Committee, Messrs. J. Bowman, W. Brims, J. B. Crawford, A. H. Gillies, W. A. M. Hourston, F. J. D. McDougall, E. Randall, W. J. Rosie and J. H. Scott. The principal prize winners during the season were: T. & H. Smith cup, D. N. L. Philp; Pinkerton-Gibson trophy, A. H. Gillies; Edinburgh Chemists' trophy, J. P. Gibb; David Brown medal, D. N. L. Philp.

PERFUMERY MANUFACTURERS' MEETING

At the annual meeting of the Perfumery and Toilet Preparations Manufacturers' Section of the London Chamber of Commerce, held on November 6, Mr. T. Lyddon Gardner (Yardley & Co., Ltd.) was unanimously re-elected chairman for a further year. Mr. A. F. Gunning (Ponds Extract Co., Ltd.) was elected deputy-chairman in succession to Mr. S. C. Johnson (Morny, Ltd.), to whom the Section expressed their appreciation of his past services. The executive committee for 1940-41 was appointed, comprising representatives of the following firms: Elizabeth Arden, Ltd.; J. & E. Atkinson, Ltd.; Coty (England), Ltd.; Max Factor & Co., Inc.; D. & W. Gibbs, Ltd.; F. W. Hampshire & Co., Ltd.; Morny, Ltd.; Potter & Moore, Ltd.; and R. F. White & Co., Ltd., with the chairman and deputy-chairman as ex officio members:

The chairman submitted a statement, of which the following is an abstract, on the work of the Section during the preceding year.

The Section has been more active than probably in any year of its existence. As is inevitable under war conditions, we have been very



MR. T. L. GARDNER

concerned with the question of supplies of raw materials. Certain raw materials essential to this industry are now controlled and, at the request of the Ministry of Supply, the Section is now responsible for the issue of purchase certificates for timber for packing cases, and will shortly undertake similar work in connexion with the supply of starches. The control of board and paper was a serious blow to the perfumery industry and the interpretation of the Orders concerned led, at the beginning, to considerable confusion and uncertainty, which the Section took active steps to clarify. Owing to the fact that the trade as a whole held considerable stocks of boxes, the effects of this Order have not yet become apparent. The effects of the Order are staggeringly severe

when applied to a trade like ours, where packaging appeal plays such an important part. We have had long discussions on the subject of tinplate containers. The use of tinplate for many lines manufactured by us has been prohibited entirely, and where its use is still permitted, the number of sizes and shapes of containers has been severely restricted. We are also expected to make the maximum use of the tinplate available by arranging for containers to be re-fillable or returnable. Before the Section had finished with the Orders governing the use of the above materials, we were faced with the Limitation of Supplies Order. The list of goods scheduled under Class 16 contained a number of anomalies and made it necessary for the Section to undertake a very considerable amount of work in connexion with these. It is very gratifying to be able to report that, as a result of representations made by the Section,

the Board of Trade have agreed to exclude brushless shaving cream from the Limitation of Supplies for the next ration period.

The purchase tax, which has been hanging over our heads like the Sword of Damocles for some months, was finally brought into effect on October 21, and the question of the method of assessing the tax has resulted in considerable discussions amongst ourselves and with the authorities. The Prices of Goods Act, Limitation of Supplies Order and the purchase tax are restrictions which I think are recognised as necessary for our war effort. Our activities have not been to contend the purpose of these measures. We submit to their purpose, but as a business man I should like to voice a protest as to the method in which they have been drafted. I should like to express a hope that if the war makes further measures necessary, they will be drafted in such a way as to be more easily applicable in a normal business practice.

Last April, in accordance with the wish of the Government, a separate organisation—the Perfumery and Toilet Preparations Export Group—was set up under the ægis of the Section to look after all export trade matters. The development of the war on the Continent has lost us very valuable markets, but business with the rest of the world has been good so that what we have lost on the swings we are making up pretty wel on the roundabouts. Some of our members with French associate companies are now carrying on from London export trade which was formerly undertaken from Paris, and the Group is doing its best to help especially those members.

Trade mark questions have not taken such a prominent part in our work, but I am glad to record the successful outcome to our opposition to the application for registration of the word "Mary"; we hope that this will go a long way to establish definitely the principle that girls Christian names are inappropriate for registration in the perfumery class. We have just started opposition in Hong Kong to the registration there of the word "Heather."

The Section's efforts to obtain war work for members must, I am afraid, be put down as one of our least successful activities. Some firms have been able to obtain contracts for work for the Government, but despite the Section's endeavours, the majority have not been able to find such work, largely, I think, because there are few specialised services we can offer, though our factories are capable of taking on much general work of a light character. Some of our members have been unfortunate enough to have their premises damaged in recent air attacks on London. We have endeavoured to help those members.

In conclusion I wish to express my sincere thanks to Mr. S. C. Johnson for the support which he has given me as deputy-chairman. Unfortunately in the last month or so he has not been in good health and has not been able to take part in our work. He has, however, the Section's best wishes and their hope that he may soon be back. To the members of the Executive Committee also I would like to convey my gratitude. They have been called together very much more frequently than in normal times. For some time, in fact, they have been meeting almost fortnightly; their meetings have very often had to be called at very short notice with great inconvenience to the members, but they have nevertheless attended regularly.

TOPICAL REFLECTIONS

Trading Problems.—The first three letters in your last week's Correspondence (p. 286) throw light on the problems that are occupying the thoughts of retailers at the present time. Specially pointed is the practical discussion by Mr. F. D. Gee of the often inadequate margin on proprietary articles. His estimate of 22 per cent. as the minimum gross profit needed is modest, for it is not long since we were told on good authority that overhead charges in the business of a retail chemist should now be regarded as averaging 25 per cent. of turnover. Whether the boycotting of all goods not yielding 25 per cent. profit is in all circumstances good policy is arguable; perhaps such goods might preferably be obtained to order for regular customers and the position explained to them. The setting up of an ad hoc body on the lines of a Whitley Council appears to me to be a rather cumbrous and slow-moving method of attacking this difficulty. A suitably worded resolution passed by the Executive of the National Pharmaceutical Union and reported in your columns would seem to fit the case if we could be sure that it would be acted upon. The only remaining doubt would be the rigidity of backbone among the rank and file of chemists in business.

Propaganda in Windows.—The pharmacy window described and illustrated on p. 277 is one of the best that I have seen of late. With the finer points of window dressing as practised during the past few years I cannot claim much acquaintance; but I like the simplicity, spaciousness and balance of the display designed by "Spencer Wells." One advantage of a window dressed for propaganda rather than for specific sales is that the artistic taste of the designer can have freer scope: he (or she) is not obliged to think so exactly in terms of individual items

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Scientific Research.—Several good things are to be found in your reports (pp. 274, 276, 282) of results of recent scientific research. Afternoon and evening meetings of the Pharmaceutical Society in London and Edinburgh respectively have afforded experts opportunities of setting forth for the benefit of pharmacists and others interested some dazzling investigations in bacteriology and in organic chemistry. It will be noticed that Professor A. Fleming defined antiseptics as "substances capable of interfering with the growth of bacterial organisms, and disinfectants as killing such organisms. Your recently issued 'Dictionary of Medical Terms' states that antiseptics are "substances which destroy or inhibit the growth of putrefactive micro-organisms": I infer that agreement on a definition of this class of substances has not yet been reached among bacteriologists. The position is complicated by the fact that types of pathogenic bacteria differ from each other in their reaction to antiseptics. The sulphanilamides were certain to appear in lectures of this kind: your readers are much indebted to Professors Fleming and Cook for their remarks on these substances and also for their lucid exposition of their respective subjects as a whole. Much may be learned, too, from your abstracts on p. 282. **Xrayser**

PHARMACY—PRESENT AND FUTURE

VE of the interesting questions put to Mr. Walter Deacon, president of e Pharmaceutical Society, when he addressed members of the Northst Lancashire Branch at Blackburn, on November 19 (Mr. E. Eccles the chair), concerned what he visualised pharmacy would be like ter the war. Mr. Deacon laughingly replied, "I should like to have d previous notice of this." He visualised the time when chemists med at a higher standard in their profession—an improved display of eir commodities and their dispensing department, and a more modern y-out of their premises. He would also like pharmacists to aim at a ther ideal when starting in the profession—an important consideration dged by its reaction on the public towards their calling. Some armacists tried to make a model but this was not always the case. e would say we were too inclined to keep altering and making additions stead of embarking on an entirely new outlook, retaining the best of the past and introducing the best for the future. He would also like a stem under which qualified pharmacists would take up a fortnight's st-graduate course every three or four years.

War Aid Service.—One of the chief problems facing pharmacy in ese difficult days related to the measure of help which should be forded pharmacists and their dependents who were affected by warme conditions. The National Pharmaceutical Union were doing cellent service for proprietor chemists, but he wanted to offer wider Ip to all on the Register and also to students who were preparing for alification. He thought the Council had acted wisely in appointing War Aid Committee with a wide scope, and he had been very gratified the response made to a recent appeal.

Co-operative Societies and the Pharmacy Act.—Co-operative cieties were serious competitors with private traders, particularly in ancashire and Yorkshire. The societies entered the pharmaceutical eld some years ago and co-operative pharmacies had substantially creased meanwhile. Broadly speaking, the policy adopted had been run either chemists' shops or to offer drugs for sale in existing stores. he Pharmacy Act and Poisons Act, 1933, was so framed as to prevent ese societies from selling certain drugs in their grocery departments they had been doing for some years and as competitive grocers had ne. The Government had stated that if they had realised this legistion would cause the developments which they saw in the co-operative ovement they would have had the section altered in the House of ommons. In 1938, the High Court decided that a person could not Il drugs, even as an incidental transaction, in a business mainly of 10ther character without having a pharmacist in charge. This judgent upset the interpretation of the law agreed upon between the Home ffice, the Pharmaceutical Society and co-operative societies, and made necessary for one of two courses to be followed: (a) Either for the operative societies to reorganise their departments so that their nemists' shops were put under separate ownership, or (b) the Act ould have to be amended. Negotiations between the three parties were progress when the war intervened and they were temporarily dropped. hey were now being resumed and the Council had under consideration rtain proposals made by the Government which could not at this age be made public. The position would not be a simple one. The stural reaction was "Prosecute the co-operative societies," but they ust be statesmen as well as politicians. The basic problem confronting nem did not concern co-operative societies alone. Had anyone except chemist to be permitted to run a drug store? The extent to which 1ch a practice could deceive the public was obvious, and it might well that if they drove co-operative societies to reorganise, the private ader would find himself faced with severe competition from coperative drug stores. The Pharmaceutical Council was considering ne matter in all its bearings with great care, and they would reach a ecision which seemed right as a long-term policy. When this would e made public it was to be hoped pharmacists would consider it calmly nd without prejudice, remembering that it had been decided upon by ten whose desire was to do what was best for the future of pharmacists.

Pharmacists in the Forces.—Emphasising the need of unity between ll branches of the profession, Mr. Deacon said the position of the harmacist in the Forces had greatly improved since the last war, and hile they had not got all they would like, they had the satisfaction nat over 400 pharmacists in the Forces were doing the work for which vey had been trained. He also mentioned that the Government had een approached with regard to taking over the new offices of the ociety, so that materials could be supplied to complete one section of Today it was essential to consider the problems which might rise when war was over. In the matter of Codex revision, they were ping their best to provide suitable substitutes. Concerning the future, ney had to prepare for difficult times ahead and try to meet them.

Discussion.—Mr. L. Mossop said in this part of the country it was It the Society should not adopt a policy which would encourage co-perative societies to open pharmacies.—Mr. Deacon agreed. He said 1e co-operative movement was very strong and there was a general esire to meet the situation by conciliation.

Mr. E. Eccles said large quantities of patent medicines were already sold at co-operative grocery stores.

Mr. Mossop said this was preferable to the co-operative movement

opening pharmacies up and down the country.

Mr. H. H. Atherton thought there had been a lack of the courage and foresight to which the speaker had referred in pharmaceutical politics of late. Some effort should be made to convince members that their qualifications should not be sold for "a mess of pottage."—Mr. Deacon said this was a sound principle. In the medical profession doctors could be prevented from doing almost anything.

Mr. W. HINDLE asked if the Society, as such, represented pharmacists as a profession or as commercial men.—Mr. Deacon said the Society represented all on the Register, and they tried to keep within the terms of their Charter. In answer to a further question, Mr. Deacon said the pharmaceutical syllabus might have the appearance of being overcrowded but as far as possible it was kept to essential subjects. A few deletions had been made of late.

Mr. HINDLE said he did not agree with deletions. Surgical dressings had been left out, and in a time like the present these were important. Mr. Deacon said it was something new to hear this complaint of curtailing the syllabus. He regarded the syllabus as satisfactory to meet present conditions, especially having regard to the varied interests they had to serve. They had those on the academic side as well as the commercial. It might be that eventually they would have two examinations to meet these interests.

Mr. Bracewell advocated a greater measure of co-operation with the medical profession.—Mr. Deacon replied that every effort was

made to bring the Codex to the notice of the doctors.

Mr. Mossop inquired if the Society were getting many calls on its War Benevolent Fund.—Mr. Deacon replied in the affirmative, and

cited a typical case.

Questioned regarding the operation of the purchase tax, Mr. Deacon said they had to realise that the Treasury had to provide terrific sums to prosecute the war, and it was difficult to plead for too much in the way of exemption. Pharmacists had to bear their share of the burden. They had made definite points and these were being considered. The compilation of the exempted list had been very difficult from the Customs' point of view. He was of the personal opinion that this list would be revised from time to time, having regard to practical experience. It was difficult to understand why food should be exempt and not drugs.

One member thought there was difficulty in a revision of the exempted list. A pharmacist might have a stock of goods bearing the tax, and if in a revised list these were exempted he would stand to lose.

Mr. Mossop said he would like to see greater co-operation between the pharmaceutical and the business side of their profession with a view to enabling the pharmacist to benefit.

MR. Eccles said the branch would appreciate an address by Mr. Deacon on some future occasion on the subject of psychology. At the outbreak of war a committee was appointed at the delegate conference with a view to the preparation of a review of 100 years of pharmacy. He wondered if such committee was still functioning.

Mr. R. Turnbull proposed a vote of thanks to Mr. Deacon and it was seconded by Mr. H. H. Atherton.

N.P.U. WAR DISTRESS FUND

THE following further donations of one guinea and over to the War Distress Fund of the National Pharmaceutical Union were received during the period September 19 to October 2, and were not included in the previous list published. The total amount received to October 2, was £14,345.

Wholesalers and Manufacturers: Oscar Scruton & Co., £105; Newton Chambers & Co., Ltd., f_2 0; Westminster Laboratories, Ltd., f_2 0 5s.; E. H. Butler & Son, Ltd., f_2 0; 1. Rowland James, Ltd., f_2 0; Grimwade Ridley & Co. (Ipswich), Ltd., f_1 0 10s.; The General Optical Co., Ltd., f_2 2 2s.

Retailers: Misses Row & Taylor, £27 16s.; Oxford and District Chemists' Association, £24 12s.; W. H. Hampton, Ltd., £10; H. D. Williams, £10; D. T. Evans, £8; Foster & Sons, £5 5s.; R. C. Frank & F. C. Reynolds, £5 5s.; Edward Jones, £5 5s.; H. Weston & Son (Chemists), Ltd., £5 5s.; Cheers & Hopley, Ltd., £5 5s.; A. S. Furniss, £5; A. F. Thomason, £5; F. E. Bannister, £5; Mrs. L. E. & Miss L. M. Bennett, £5; L. Stevenson, £5; H. Hocken, £5; T. Cale, £4; Fairfax Fearnley Limited, £4; J. F. Ambery, £4; J. W. Moffitt, £3 5s.; The Hoylake & Meols Chemists' Association, £3 3s.; B. E. Manton, £3 3s.; L. W. Hurcomb, £2 2s.; F. G. Lesiter, £2 2s.; P. Horsfield, £2 2s.; L. Harris, £2 2s.; A. E. Axtell, £2 2s.; J. Broadhead, £2 2s.; F. T. Chapman, £2 2s.; F. P. Watson, Ltd., £2 2s.; W. F. George, £2; H. M. Harvey, £2; H. P. Oldham, £2; Morgan & Phelps, £2; G. H. Lloyd, £2; S. T. & S. A. Milbank, £2; H. S. Fenton, £2; Mrs. H. M. Lavender, £2; H. N. Hodgetts, £2; John Fyfe's Pharmacy, £1 1s.; An Old Chemist, £1 1s.; C. H. Brooks, £1 1s.; Wallis Jones, £1 1s.; F. J. Spencer, £1 1s.; J. H. Hay, £1 1s.; E. P. Whiteley, £1 1s.; E. Palmer, £1 1s.; A. J. Campbell, £1 1s.; T. W. Townley & Son, £1 1s.; J. B. Simmons, £1 1s.; Wm. Pinson, £1 1s.; J. S. Bowen, £1 1s.; W. C. Williams, £1 1s. Retailers: Misses Row & Taylor, £27 16s.; Oxford and District Chemists

ULSTER CHEMISTS' ASSOCIATION

The annual meeting of the Ulster Chemists' Association was held at 73 University Street, Belfast, on November 20, the president (Mr. John McDowell) in the chair. There was a representative attendance of members both from Belfast and the country. The report of the Executive Committee, which was taken as read, was adopted on the motion of Mr. James McDowell, seconded by Mr. James Dundee.

In his address The President said many changes had occurred since they had last met three months after the opening of hostilities. Yet considering all things they were holding their own, and more,

especially from their point of view as chemists.

He regretted the deaths during the year of Mr. A. C. McBride, Armagh; Mr. Maxwell, Derry (both of whom were past-presidents of the Pharmaceutical Council); Mr. H. Roberts, Mr. A. G. Thompson; Mr. Jacob Walsh; Mr. Kyle, Bangor; Pilot-Officer Strong, killed on active service; and Mr. S. Orr, of Lisburn.

The past year would rank as one of the most progressive periods in the history of the Association. Not only had the membership greatly increased, but the bond of fellowship among the members had been materially strengthened. This had been made possible by the unceasing efforts of an energetic committee "working according to plan." Last December when he had the honour of being elected president his aim was to get as far as possible 100 per cent. membership. He was proud to state that in Belfast and district they had almost attained their object—to be correct about 99 per cent. He regretted that in the country a few chemists remained apathetic, and to those he issued a cordial invitation to join now as by doing so a copy of the new price list would be reserved for them. During the year certain valuable information had been passed on to these non-members, information which they could have withheld. Some of these had repaid them by joining the Association, and he hoped that the others would respond in a like manner. They would recall that at the opening of hostilities a Special Emergency Committee was formed from the Executive to deal with urgent business, and to regulate price changes. They had now been functioning for fifteen months, had attended fully and punctually meetings held once or twice a week, they had given and taken advice, and had wrestled cheerfully with many problems confronting them. Personally he had found it a great pleasure to work with them. Up to the present they had issued 2,417 price changes. Their names were: Messrs. McEwen, Richey, Dundee, McGregor, Shinner, T. A. Gibson, the secretary, the treasurer, and himself.

At the beginning of the year a new secretary had to be appointed, and Mr. McClenahan was selected. At Armagh and Bangor new local associations were formed. The three main topics discussed were: Membership, coding, and the Chemists' Friends scheme. With the first two schemes complete, went on the president, and the Chemists'

Friends scheme getting full support, they had nothing to fear.

Another matter requiring attention was the prevalence among chemists of breaking bulk preparations for sale in "smalls." He would ask them to stop it at once for it was neither dignified nor profitable. In most cases they would find that the customer would be quite willing to take a complete package. The president thanked the Executive Committee for their arduous work during the year, with a special word to the Emergency Committee, and also to their new secretary, Mr. McClenahan, who in his first year had fully warranted the confidence the Committee had placed in him. Some of them might not know that he was assisted in the work by Mrs. McClenahan, who had become an expert in U.C.A. matters. Thanks were also due to their friends in the wholesale, and especially to Thos. McMullan & Co., for their able and willing assistance in supplying price changes.

The Financial Statement.—This was also taken as read. Mr. W. J. RANKIN (treasurer) pointed out that there had been an increase in subscriptions from f_{278} 4s. 9d. to f_{448} 5s. due to the increase in membership and in the amount of the subscription. He also mentioned that with the aid of the new office equipment they were able to issue price lists now on the same day as they were passed. He proposed the adoption of the report.

The report was seconded and supported by Mr. James Macauley and Mr. A. E. A. Davis, auditors, both of whom paid tribute to Mr.

Rankin for his meticulous accuracy and neatness.

The six retiring members of the Committee—Messrs. R. B. Abernethy, James Dundee, R. C. Jeffers, John McDowell, J. McGregor and H. Todd—were re-elected. Mr. J. C. Acheson and Mr. H. P. Crossin, who had been nominated for the two remaining vacancies, were also elected.

Alteration to Rules.—Mr. P. R. W. Shinner moved that the words "Members in arrear on June 1 shall not receive price alterations until their arrears are paid" should be deleted from Rule 3, and the following substituted: "Any member in arrear on the first day of June in any year may at the discretion of the Executive Committee be suspended from all privileges of membership until all arrears together with the current subscription are paid." This was seconded by Mr. W. F. Pedlow, Portadown, and adopted after the treasurer had explained that very few members of the Association offended in this respect.

Out of 454 members only two subscriptions were outstanding, bo outside Belfast. He proposed that the subscription remain at a guine for another year. MR. H. P. Crossin seconded, and the proposal w unanimously adopted.

National Health Insurance.—The Secretary reported that he ar Mr. James McDowell had interviewed the responsible official of tl Ministry of Labour with regard to the prices charged by a chemist the cases of insured panel patients who had not yet received their pan cards. It had been decided that where the chemist's charge was about the National Health Tariff the difference should be deducted by tl Ministry from the next month's payment. This was approved on tl motion of Mr. James McDowell.

Professional Discounts.—Mr. Dundee suggested that with the coming of the purchase tax the time had come for the cancellation of a discounts to the medical and nursing professions. The nursing pr fession, in particular, he said, had been a bugbear for years and ha been taking a mean advantage of them. By that he meant privanurses, not nursing homes.

MR. McQuitty alleged that private nurses were going over the head of the chemists to the wholesalers, and then selling stuff at retail price

to their patients.

Mr. Crossin thought it would be better to wait until they got the

wholesalers' latest drug lists before taking action.

Mr. McGregor said that nearly all wholesale houses handling medic proprietary articles gave a 10 per cent. discount to the medical professio -an item which they would find difficulty in getting round, desirab though it might be.

THE PRESIDENT said he was afraid they would have to continue t

allow some discount.

Ultimately the meeting recommended that private nurses an medical students should be charged in full, and that the medical $p\pi$ fession should be allowed a discount of only 5 per cent. of the gro. amount on proprietary articles. It was also decided to send out further recommendation that the time was opportune for the abolitio of discounts to ordinary customers, and that all prices should be net.

Mr. Shinner said that in certain lines he had formerly given a dis-

count on monthly accounts, but last month he had issued a notice the all accounts were net owing to the purchase tax, and had not receive

a single objection.

C.F. Scheme.—Mr. Taggart complained of unfair competition b small grocers in certain chemist lines, and suggested that the C.I scheme was being violated by chemists who were acting as wholesaler for small shopkeepers.

Mr. Stoops and Mr. Rankin mentioned the case of a trader i Portadown whose business was to all intents and purposes a chemis

shop, stocking all the C.F. lines.

MR. RICHEY said that if the supplier could be discovered the Associa tion could take action.

THE PRESIDENT said the C.F. scheme was working well in Belfast

but it required tightening up in the country towns. Closing Hours.—Mr. McGregor advocated earlier closing fo

chemists owing to the black-out. Mr. Shinner said he would welcome a basic hour of 7 p.m., bu

complained that some shops were keeping open as late as 9 p.m.

THE PRESIDENT said he thought it was better to leave this matte to the districts themselves.

Postal Deliveries.—Arising out of a letter from Mr. Chambers Londonderry, and also a complaint from Armagh, The Secretary said he had interviewed the local Branch of the Ministry of Information in regard to the delay in delivering urgent serums, etc., from acros the water to chemists in Northern Ireland. It seemed that they wer held up by the censorship authorities at Liverpool, and he had been instructed to write a formal letter on the subject to the Ministry so that action could be taken to have deliveries expedited. The meeting approved the letter drafted by the Secretary.

THE PRESIDENT intimated that as soon as prices had been worked out and came to hand the new price list would be put in hand, and

every effort made to have it in early circulation.

THE SECRETARY stated that he hoped to get enough advertisement to pay for its production.

The meeting ended with a vote of thanks to the president for his work during the year, proposed by Mr. Shinner, who said Mr. McDowel had been a veritable tower of strength.

MR. McEwen, seconding, said that never had so much been owing

by so many to so few—the president and secretary.

MR. MACAULEY added the thanks of the "outsiders" to the president and Mr. Pedlow spoke for the Portadown chemists.

A vote of thanks to the Pharmaceutical Society for the use of their rooms was passed on the motion of Mr. RICHEY, seconded by THE PRESIDENT.

PARLIAMENTARY NEWS

Permitted Uses of Glycerin.—Mr. Wootton-Davies asked the Miniser of Supply, on November 19, the technical and medicinal purposes

r which glycerin might or might not be used.

Mr. Harold Macmillan: An investigation of the uses to which glycerin put has been made, and users have been advised as to possible subitutes, for the supply of which some arrangements have been instiited. It is not possible to give a detailed list of the purposes for which vcerin is used, but they fall into three main categories:

(1) For the manufacture of products for Service use and for export,

the demands for which are supplied in full;

(2) Other uses of national importance, including technical and medicinal uses, which have been allotted a generous quota, the total amount allowed being approximately two-thirds of the pre-war consumption; and

(3) Uses of lesser importance, where an effort has been made to eliminate the use of glycerin gradually, especially where it has been

possible to find substitutes and to make them available.

Roche Products, Ltd.—Sir E. Graham-Little asked the Parliamentary ecretary to the Ministry of Food, on November 20, at what date the rm of Hoffman la Roche, of Basle, became merged in Roche Products, td., Welwyn Garden City; who are the directors of that firm; at hat date proposals were made, or negotiations begun, with Roche roducts, Ltd., for the manufacture and supply of synthetic vitamin to be added to the war loaf; whether any other firm was invited tender for this contract; upon what terms it is proposed to bring his firm under the control of the Ministry; and will he lay upon the able all correspondence passed between the Ministry of Food and coche Products, Ltd.

Major Lloyd George: All the information for which my hon. friend sks is not immediately available and his questions may necessitate somewhat lengthy reply. I therefore propose with his permission circulate the answer in the Official Report as soon as I am in a position

do so.

TRADE NOTES

ONE-CAP INHALER.—Introduced as the "new volatile vasoconrictor," Karsodrine brand inhaler containing β -phenylisopropylamine offered at trade terms showing a handsome profit by E. Griffiths

lughes, Ltd., Adelphi, Salford, 3, Manchester.

Brand's Essence.—Brand & Co., Ltd., 84 South Lambeth Road, ondon, S.W.8, give some interesting details in their advertisement in us issue of results of the employment of Brand's Essence in the case persons suffering from depressed metabolism due to current events. he results of these tests are to form the basis for a new advertising impaign in connexion with Brand's Essence and chemists are urged link up with this publicity by means of window and counter displays. SUPREME MIRACLE.—This is the name given to an electric heating evice supplied by L. G. Hawkins & Co., Ltd., 30-35 Drury Lane, ondon, W.C.2. This apparatus fits most rubber hot water bottles, eing screwed in in place of the stopper, while the other end is connected an electric supply. The Supreme Miracle heats the water in the bottle, and thus affords a number of advantages, such as constant warmth, voids successive fillings of the bottle with hot water, and it operates ery economically. Further details may be obtained on application.

PHOTOGRAPHIC DIARY.—Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.I, have just issued the 1941 edition of the Wellcome Photographic Exposure Calculator, Handbook and Diary." low more than ever it is necessary for the amateur photographer to nserve his materials and avoid waste by careful attention to exposure nd technique, and the Wellcome Handbook will help him to attain is object. From the point of view of the retailer the publication ncourages customers to do their own developing and printing, partiularly in these days when every house has its dark room, and opens up he possibility of increased turnover in printing materials and sundry ark room materials. The text has been thoroughly revised and amplied where necessary. It is regretted that the increased cost of materials nd the imposition of the purchase tax have had the inevitable result f raising the price.

Business Changes

Tonicity Laboratories, Ltd. (proprietors of Halmagon), have emoved their office to 2–10 St. John's Road, London, S.W.11.

KASON CHEMICAL Co., LTD., have removed to K45A Queensway, cam Valley Trading Estate, Gateshead-on-Tyne, 11. Telephone: Low ell 76779.

HELENA RUBINSTEIN salon at 48 Berkeley Square, London, W.I, vas reopened on November 28. A representative gathering of the trade ttended the function to mark the occasion, and to view the newest ersion of the company's oldest salon.

BOURJOIS, LTD., 36 Grove Road, Sutton, Surrey, hope to be able to dvise the trade of their future arrangements at an early date. Meanwhile, correspondence should be addressed as above. The company elebrated their centenary on November 28.

MARRIAGES

Notices for this column must be authenticated

BEERMANN-HOLMES.-At Menston Methodist Church, on November 18, F. E. Beermann, Pudsey, to Marjorie Holmes, daughter of Mr. J. Holmes, Ph.C., Menston-in-Wharfedale, Yorks. (Representative, Robert Gibson & Sons, Ltd., Manchester.)

DEATHS

BLORE.—Recently, Mr. Moulton Blore, M.P.S., 17 Bull Ring, Horncastle. Mr. Blore passed the Minor examination in 1898.

BOOTH.—Recently, Mr. George Henry Wilbraham Booth, M.P.S., Deniston Avenue, Bexley, Kent. Mr. Booth passed the Minor examination in 1888

Fox.—Recently, Mr. Arthur Edward Fox, chemist and druggist, Freeland, Oxon, aged seventy-six. Mr. Fox acquired a business in Banbury in 1892 and continued it for thirty years. During that period he took a keen interest in local affairs, being elected to the town council in 1911, and later becoming an alderman. He was mayor of the borough in 1924-5.

Oakley.—Recently, Mr. Frank Arthur Oakley, chemist and druggist, Cobham Road, Norbiton, Surrey, aged sixty-five.

Pearce.—Recently, as the result of enemy action, Mr. Laurence Leonard James Pearce, M.P.S., Portsmouth, aged twenty-three.

SHEPHERD.—Presumed drowned on the "Lancastria" in June 1940, Mr. Fred. Shepherd, M.P.S., Harlow Road, Lidget Green, Bradford. Mr. Shepherd passed the Qualifying examination in 1925.

Wallis.—Recently, Mr. Gilbert Francis Wallis, M.P.S., 5 Grimshaw Street, Failsworth, Manchester, aged fifty-seven.

PERSONALITIES

Mr. J. E. Crowe has been appointed secretary of the Sheffield Pharmaceutical Committee in succession to the late Mr. H. Antcliffe.

COUNCILLOR H. M. BURDALL, governing director, Burdall's, Ltd., manufacturing chemists, Hillsborough Works, Sheffield, has subscribed £20,000, free of interest for the duration of the war, to the Sheffield War Weapons Week.

THE Lord Mayor and Lady Mayoress of Manchester (Councillor R. G. Edwards, M.P.S., and Mrs. Edwards) took the opportunity of the recent visit to the city of Mr. Walter Deacon (President of the Pharmaceutical Society) to invite the president and a few members of the Council of the Manchester Association to luncheon at the Town Hall on November 20. The function was an informal and very happy affair and enabled his colleagues to see the Lord Mayor and Lady Mayoress in their official residence at the Town Hall. Mr. Deacon suitably expressed the appreciation and enjoyment of the members in being entertained in this delightful way and wished the Lord Mayor and Lady Mayoress a successful and happy year of office.

TRADE-MARK APPLICATIONS

(From "The Trade Marks Journal," November 6, 1940)

"Rolls Luxen" (exclusive use of word "Rolls" disclaimed); for photographic chemicals (1) (IV). By J. P. Sidebottom, "Zonex" Works, Talbot Road, Blackpool. 612,900.

"OSMONDS"; for veterinary preparations, sheep dip, and disinfectants (5) (IV). By Osmond & Sons, Ltd., Standard Chemical Works, Doughty Road, Grimsby. 608,776 (Associated).

"Acidulin"; for capsules of glutamic acid hydrochloride for hyperacidity of the stomach (5) (IV). By Eli Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, U.S.A. 610,809.

"Azozol"; for an analeptic for human use (5) (IV). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 612,453.

"CIBAZOL"; for pharmaceutical preparations (5) (IV). By Society of Chemical Industry in Basle, 141 to 227 Klybeckstrasse, Basle, Switzerland. 612,488 (Associated).

"Norolene"; for antiseptics, germicides, disinfectants, etc. (5) (IV). By W. J. Rendell, Ltd., 161-165 Rosebery Avenue, London, E.C.1. 612,544.

'METABEVAN" and "ANUREX"; for pharmaceutical and veterinary preparations (5) (IV). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, 1. 612,587 (Associated). 612,905.

"Parmital"; for all goods (5) (IV). By Bayer Products, Ltd., 31 to 34 Basinghall Street, London, E.C.2. 612,869 (Associated).

"Spascol"; for medicine in tablet form for oral administration (5) (IV). By Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1. 612,954.

APPLICATIONS FOR TEMPORARY SUSPENSION

(Under Section 3 of the Patents, Designs, Copyright and Trade Marks (Emergency) Act, 1939)

No. 608,502, owned by Bayer Products, Ltd. The British Drug Houses, Ltd., Graham Street, City Road, London, N.1. Conversion of Specifications

Section 36 (3) and Rules 6 to 8

To Schedule IV (with amalgamation).

No. 349,352, by W. Gossage & Sons, Ltd., and No. 349,743, by Lever Bros., Port Sunlight, Ltd.



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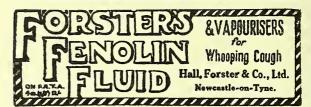
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INSURANCE ACT DISPENSING

Avrshire.—Insured persons on the Insurance Committee's index register at July 1 were 92,073, a decrease of 138 on the previous quarter.

Chester.—Prescriptions dispensed in the Insurance Committee's area during 1939 numbered 72,595, against 71,342 in the previous year. The cost was £2,991, £1,676 10s. being for ingredients. The sum paid to chemists showed an increase of £180 over the previous year. The cost per prescription was 9.89d. (3s. 1½d. per insured person).

Cumberland.—A suggestion that chemists under contract with the Insurance Committee should close at 7 p.m. (Saturdays, 8 p.m.) instead of at 7.30 p.m., was rejected by the Committee at a recent meeting. The main opposition was from doctors, who urged that working patients could not be asked to visit the surgeries between the hours of 5 and 6 p.m.

Leicester.—480,761 prescriptions were made up in the Insurance Committee's area during the twelve months' period recently completed —an increase of 13,120 or 2.8 per cent. over the previous twelve months. The cost rose by £1,059 to £18,071, and the average number of prescriptions per person was 3'71.

Middlesex.—The war emergency committee of the Pharmaceutical Committee decided on November 13 to request the Insurance Committee, subject to the approval of the Minister of Health, to alter the hours of service so that chemists should close at 6 p.m. instead of 7 p.m. during the period in which earlier closing hours are in force. A letter was received from the Pharmaceutical Society enclosing copies of correspondence between the Society, the Ministry of Health and the Metropolitan boroughs upon the provision of an adequate pharmaceutical service in public air-raid shelters. The Committee expressed dissatisfaction with the position and directed the secretary to write as follows to the Pharmaceutical Society and National Pharmaceutical Union :-

The Committee learned with regret that the Ministry of Health had not previously consulted the Pharmaceutical Society and the National Pharmaceutical Union upon the pharmaceutical aspects of the provision of first-aid posts in air-raid shelters. It is difficult to understand why the Ministry failed posts in air-raid shelters. It is difficult to understand why the Ministry falled to consult the Society and the Union, not only in view of the undertaking previously given by the Ministry on January 13, 1940, but also in view of the fact that the matter is not being treated as purely local; for example, the appliances and drugs with which the larger shelters are being equipped are based upon a schedule recommended by the inter-departmental committee on public air-raid shelters. The chairman of this Committee apparently realised the invertance of pharmacutical guidance and sought the advector of a pharmacutical guidance and sought the advector of a pharmacutical guidance and sought the advector. the importance of pharmaceutical guidance and sought the advice of a pharthe importance of pharmaceutical guidance and sought the advice of a pharmacist upon the medicinal requirements for the larger shelters. It is, nevertheless, clear that consultations with an individual pharmacist, however distinguished he may be, cannot in any way be as effective as formal consultations with the Pharmaceutical Society and the National Pharmaceutical Union. The Committee has directed me to ask that in addition to the action already taken in communicating with the Metropolitan boroughs, the Society and the Union should now, as suggested in my letter of October 24, remind the Ministry of its undertaking, and should urge that the whole matter be reconsidered following formal consultations with the representatives of pharmacists. In the Committee's view the lack of consultations with the representative bodies is a serious question of principle and should be treated at energetically as possible by all means at the disposal of the Society and the Union. The Committee feels that this matter should not be allowed to fall into abeyance along with the medicines for evacuated children, which, with into abeyance along with the medicines for evacuated children, which, with increasing evacuation, have constituted a serious financial loss to pharmacists. The action of the Society in communicating with the Clerks of the Metropolitan Boroughs was noted with satisfaction, but I was directed to suggest that a copy of the letter should also be sent to the Medical Officers of Health of cach of the Boroughs.

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hcial organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

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November 30, 1940

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No Compromise with the Co-ops

was indicated in the report of the recent Council meeting of the armaceutical Society (C. & D., November 16, p. 261) that negotiaons are again proceeding between the Home Office, the Pharmaceutical ciety, and the Co-operative Societies regarding Sections 8, 9, and 10 the Pharmacy and Poisons Act, 1933. This controversial matter as also dealt with by the president of the Pharmaceutical Society in address to Blackburn chemists on November 19 and reported elsenere in this issue (see p. 289). His remarks on that occasion, if not ving rise to a feeling of disquiet among chemists, at least give the pression that there is a division of opinion among members of the narmaceutical Council. After mentioning that the decision in the se of Coombes v. Hygienic Stores, Ltd., had upset the interpretation the law by the three parties, and pointing out that one of two courses uld be followed, i.e. either the Co-operative Societies must reorganise eir departments or the Act would have to be amended, Mr. Deacon d "The natural reaction was to prosecute the Co-operative Societies. it they must be statesmen as well as politicians. The basic problem nfronting them did not concern Co-operative Societies alone. Had yone except a chemist to be permitted to run a drug store? The tent to which such a practice could deceive the public was obvious, d it might well be that if they drove Co-operative Societies to reganise, the private trader would find himself faced with severe comtition from Co-operative drug stores. The Pharmaceutical Council is considering the matter in all its bearings with great care, and they puld reach a decision which seemed right as a long-term policy. When is was made public it was to be hoped that pharmacists would consider calmly and without prejudice."

The various Pharmacy Acts which have been passed by Parliament ace the foundation of the Pharmaceutical Society have made it ident that it is in the interests of the public that there shall be a clear stinction between those carrying on a regular business as chemists d other traders; also that the disabilities and responsibilities imposed the chemist justify some protection against those not accepting the me obligations. One of the practices prevented by the 1933 Act as the conducting of a branch business under unqualified management private or company chemists. Section 8 of the Act reads as follows: A registered pharmacist carrying on a business which comprises e retail sale of drugs shall be an authorised seller of poisons within

e meaning of this Act if the following conditions are complied with:

(a) in each set of premises where the business is carried on, the business must, so far as concerns the retail sale of drugs, be under the personal control of the pharmacist himself or of some other registered pharmacist; and

(b) the name and certificate of registration of the person having the control of the business as aforesaid must be conspicuously exhibited in the premises.

Section 9 regularises the position in regard to a body corporate and ection to deals with the continuation of a business in event of death. Part I of the 1933 Act, in which these particular sections occur, was signed for the betterment of pharmacy and its intention has been nfirmed by the law case referred to above, so that any amendment nullifying these conditions must be a retrograde step; moreover the question may well be asked whether an Act of Parliament should be amended to suit a particular group of traders if other means of solving their difficulties are available.

The Co-operative Societies appear desirous of making the best of both (pharmaceutical and grocery) worlds. All pharmaceutical bodies are apparently against any attempt to render the present position void or to change it so that Co-operative Societies who are already authorised sellers within the meaning of the Act, shall be able to sell drugs in associated shops where no pharmacist is employed. It will be recalled that at the Birmingham meeting of representatives of the branches of the Pharmaceutical Society held in July, 1939, the following resolution was passed: "That it is the opinion of this Conference that Sections 8, 9, 10 of the Pharmacy and Poisons Act, 1933, should be strictly enforced, and that no corporate body should be encouraged to have these important clauses deleted or amended.'' In the present state of affairs in Parliament it is obvious that any amending legislation would have to be agreed and non-controversial, but before any such legislation, to which the Pharmaceutical Society is a party, is introduced in the House, pharmacists should have every opportunity of full discussion of its provisions. We understand that the president of the Pharmaceutical Society is to address a number of meetings in the near future and it is to be hoped that chemists will take the opportunity of elucidating the policy of the Council in regard to this matter. There must be no concession to co-operatives or any other body and any sign of wavering on the part of those directing pharmaceutical affairs must be effectively and quickly overcome.

A Living Wage for Retailers

WE published in our correspondence columns last week (p. 286) a letter from a well-known Cheshire pharmacist in which is raised an issue that, in one form or another, has probably been in the minds of retailers for some time. To what extent have retail business expenses increased compared with those of immediate pre-war days? Since the summer of 1939, taxation, national, local and indirect, has jumped to war levels and is likely to go still higher. Heating, lighting, transport, packing, postage, etc., all cost more. Labour of all descriptions is calling for war bonuses to meet the admitted higher cost of living. Expenses incidental to the war such as black-out, insurance of stocks, and the proposed insurance of properties, all have to be met out of gross earnings. Capital has to be invested in purchase tax with no return on the amount of the tax, and business hours are now much reduced.

The Prices of Goods Act operates in the cases of goods which have been made the subject of a Price Regulation Order. A very wide range of articles and products of interest to the retail chemist have been so treated, including soap, toilet goods, cosmetics, perfumery, drugs, medicinal substances and chemicals for personal or domestic use (excluding dispensed medicines), surgical dressings, infants' foods, etc. (Price-regulated Goods Order, 1940, May 10). It would, therefore, be an offence to sell these classes of goods at prices in excess of those ruling in August 1939, plus due additions for any increased cost as specified in the First Schedule to the Act. This applies to wholesale and retail sales prices and is known as the "permitted price." It would therefore, seem that before the retail chemist can hope to be permitted a gross rate of profit sufficient to meet current expenses, he will have to satisfy the manufacturers and the Central Price Regulation Committee that pre-war margins are insufficient today. The achievements of the P.A.T.A. have proved of practical value to retailers, and it may be stated that the present unsatisfactory position is not the fault of that organisation. It may be assumed that in any representations that organisation or its members may see fit to make to the Committee, due stress would no doubt be laid on the position of the retailer.

We believe it would be useful to obtain the opinion of retailers as to how much their expenses and outgoings have increased, and we therefore invite retail pharmacists in Great Britain to send us a brief answer to the following question:

Are the total expenses and outgoings of running your business greater today than they were in August 1939? If so, by what percentage do you estimate they have increased?

We do not ask our readers to disclose the margin on which they work or what gross profit they think is now essential to the continuance of their business on a sound and satisfactory basis. Replies, which should be addressed to 28 Essex Street, London, W.C.2, will be treated in confidence. This broadcast inquiry, the result of which we propose to publish in due course, should provide an accurate indication of the position, and the information thus obtained will, no doubt, be noted by manufacturers and wholesalers and, we hope, by the Central Priceregulation Committee. For the time being, it is sufficient to record that we can think of no reason why proprietor pharmacists and their assistants should not still be entitled to a living wage commensurate with their profession and service, and in making that submission we have in mind the operation of the Prices of Goods Act and the purchase tax which in some ways tend to oppose this established principle.

RECENT DEVELOPMENTS IN THERAPEUTICS

by F. Prescott, M.Sc., Ph.D., A.I.C., M.R.C.S., L.R.C.P.

IX.—Anticoagulants

Coagulation of the Blood.—Since shed blood rapidly coagulates or clots, blood transfusions and the pathological examination of blood specimens cannot be carried out unless something is added to the blood to delay coagulation. Such anticoagulants have recently become important in connexion with the storage of blood in "blood banks" for emergency transfusions. Blood coagulates because a soluble protein called fibrinogen reacts with an enzyme known as thrombin to form an insoluble protein—fibrin—which forms when blood clots. Clotted blood is fibrin entangled with red blood cells, the clear slightly yellowish fluid that separates being the serum. The question may be asked: Why does not the blood normally coagulate in the blood vessels and why is it that only shed blood coagulates in healthy persons? It is because thrombin does not normally circulate in the body, but is only formed when blood is shed. Circulating in the blood is a precursor known as prothrombin, which is activated by calcium ions and an enzyme known as thrombokinase to form thrombin. Thrombokinase, however, is not present in blood, being formed by the disintegration of blood platelets when blood is shed and comes in contact with a waterwetable surface. The reactions may be expressed:-

 $\begin{aligned} & \operatorname{Prothrombin} + \operatorname{Ca^+} + \operatorname{Thrombokinase} = \operatorname{Thrombin} \\ & \operatorname{Thrombin} + \operatorname{Fibrinogen} = \operatorname{Fibrin} \end{aligned}$

There is also another substance circulating in the blood known as heparin, which has been isolated from liver and lung tissue, and is now available commercially. This plays an important rôle in preventing blood coagulation within the body. Its properties indicate that its action is physicochemical in nature, and that it either inhibits the formation of prothrombin or prevents the transformation of fibrinogen into fibrin. *In vitro* experiments show that it definitely neutralises the effects of thrombokinase.

Saline Anticoagulants.—The first anticoagulant to be used was sodium citrate, which acts by precipitating the calcium ions in the blood, thus preventing the formation of thrombin. It is used in varying concentrations, from 0.34 to 0.54 per cent. A convenient method for use is to add 10 c.c. of a 3.8 per cent. sodium citrate solution to every 100 c.c. of blood for transfusion, thus bringing the final concentration of the citrate to about 0.34 per cent. Mixtures containing sodium citrate have been prepared which are superior to citrate alone. "Physiocitrate have been prepared which are superior to citrate alone. logical citrate" is a solution containing 1.25 per cent. sodium citrate and 0.85 per cent. sodium chloride, and it is added to an equal volume of blood. "Glucose citrate" contains sodium citrate I per cent., glucose 2 per cent., and sodium chloride 0.2 per cent. Hæmolysis of the red blood cells frequently occurs in the presence of sodium citrate and this is considerably reduced by the simultaneous addition of glucose. An anticoagulant has recently been devised at the Moscow Institute of Hæmatology and Blood Transfusion known as I.H.T. This is said to be superior to citrate solution, which tends to form small clots when in contact with shed blood. I.H.T. contains sodium chloride 0.7 per cent., sodium citrate 0.5 per cent., potassium chloride 0.02 per cent. and magnesium sulphate 0.004 per cent. It is added to an equal volume of blood before transfusion.

Heparin.—This has recently been obtained in a pure state by the crystallisation of its barium salt. It appears to be a polysulphuric ester of mucoitin, which is a complex of glucuronic acid and acetylglucosamine. Its formula, according to most recent work, is probably C₂₂H₂₉O₁₂. (OSO₃H)₅. (COOH)₂. (NH. CO. CH₃)₂. The anticoagulant effect is expressed in terms of anticoagulant units, one Howell unit being that quantity of heparin needed to inhibit the coagulation of I c.c. of citrated and recalcified cattle plasma for four hours at 37° C. The Toronto unit, used by Best, is the activity of 1/100 mgm. of the crystalline barium salt of pure heparin, which is about five times the Howell unit. The duration of the anticoagulant effect of heparin outside the body depends upon several factors. Two milligrams of heparin inhibits the coagulation of 100 c.c. of human blood from a few hours up to sixty hours, the normal coagulation time being from five to ten minutes. A much smaller quantity is effective if the blood is kept in paraffined vessels. The coagulation of the blood can not only be retarded *in vitro* by means of heparin, but also in vivo by injecting it intravenously, intramuscularly and subcutaneously, although the most rapid effect is obtained when it is given intravenously. It is quite inactive by mouth, being hydrolysed by the gastric enzymes. Reactions were obtained when impure heparin preparations were originally used to preserve blood for transfusion purposes, but the pure substance, which is now available, is free from any untoward effects, even when given continuously by an intravenous drip for days or even weeks.

Several advantages over citrate are claimed for heparin. In the concentrations often used sodium citrate is hypertonic and has a deleterious effect on the blood cells. Heparin, on the other hand, not

being hypertonic, has no such action. There appear to be no disadvitages in using a high concentration of heparin, but if excess of sodicitrate is used the blood is hæmolysed. If it is desired to neutralise effect of heparin, this can be done by adding or injecting protamin the anticoagulant effect of citrate on the other hand cannot be east destroyed. Heparin is of special value to the pathologist because blot treated with heparin, unlike citrated blood, can be used for practica all laboratory tests (except the Wassermann reaction), so that the sa blood specimen will do for all bacteriological, hæmatological a chemical analyses commonly performed on blood. This saves the tak of several specimens of blood from the patient. It is also stated that sedimentation rate, that is the extent to which the blood corpusc settle in a specified time, can be better observed in heparinised blothat in citrated blood. The observation of the sedimentation rate of importance as it is a laboratory aid to the diagnoses of acute infecti

Heparin in Transfusions.—Heparin has been used in blood tra fusion work instead of citrate. Two milligrams of the substan dissolved in 10 c.c. of normal saline, is added to every 100 c.c. of blo and the transfusion carried out in the normal way; the blood is a diluted, as when citrate is added, and there is no need to agitate In Sweden experiments have been made in which heparin is inject into the blood donor shortly before withdrawing his blood. In this c much larger doses of the anticoagulant are required—about 1 mg. 1 kilo of body weight—because small amounts will not delay coagulat sufficiently. Blood can be stored for transfusion purposes for fourte days by the addition of 65-70 mgm. heparin per litre of blood. Hepa has found its metier principally in the field of the surgery of the blo vessels, especially in connexion with the removal of emboli, and surgical repair and grafting of blood vessels, and in the prophylaxis a treatment of thrombosis, particularly when occurring after operation Before the introduction of heparin operations on blood vessels w always fraught with danger owing to the possibility of clot or throml formation. Several years ago Murray of Toronto, who introduc heparin into surgical practice, investigated its action in the preventi of thrombosis—or clot formation in the intact blood vessel—in do Occlusion of superficial veins by thrombi was produced by injecti irritant substances, but when heparin was given beforehand the incider of thrombosis was reduced from 100 to 10 per cent. One of the me important uses of heparin in surgery is in the prevention and treatme of post-operative thrombosis, which is a complication of severe interr operations, and results from stagnation of the blood in the vei Heparin is of value because it makes the blood less liable to coagulati and thrombus formation. Murray and Best have treated 600 surgic cases post-operatively with heparin without one case of thrombo resulting. Major operations were done without a single occurrence that dreaded complication—pulmonary embolism—which happe after two to seven per cent. of major abdominal operations. It doubtful if heparin causes resolution of a thrombus, but it undoubted prevents it growing and inhibits the formation of fresh throm In the field of medicine heparin is being tried out in the treatment cases of coronary and retinal thrombosis, thrombophlebitis, sep cæmia, and infective endocarditis. In the latter condition sulph pyridine is also given to inhibit the growth of organisms on the valv of the heart; the heparin prevents the formation of thrombi, whi may cause a fatal issue by lodging in the lungs or brain. Anoth proposed use is the prevention of adhesions after abdominal and lu operations.

Other Anticoagulants.—A number of other anticoagulants a known, but they are never used clinically because they are either t expensive or toxic, or not so effective as citrate or heparin. Natur anticoagulants besides heparin are known, for example hirudin as novirudin. Hirudin is obtained from the buccal glands of the lee but it only about one thirtieth as active as heparin and more expensiv Novirudin, a sodium salt of humic acid obtained by the oxidation such substances as peat, is far too toxic for clinical use. This is al true of liquoid, the sodium salt of polyanethol sulphonic acid, which an effective anticoagulant used in physiological and pharmacologic work. Cysteine and aspartic acid are more effective anticoagulan than sodium citrate, but they are considerably more expensiv Oxalates, since they precipitate calcium ions, inhibit coagulation, b they are toxic. During the last few years it has been shown that number of dyes possess a strong anticoagulant action. These include Chicago blue 6B, an azo naphthalene sulphonic acid, and chloraz fast pink B.K.S., which belongs to the same class of dyestuffs. Although too toxic for clinical purposes, they are stated to be as effective heparin and can be used in animal work. The arsenicals arsphenami and neoarsphenamine have anticoagulant properties; in effective anticoagulant concentrations, however, they have a destructive effective on the blood cells and are therefore unsuitable as substitutes for hepar or sodium citrate.

TRADE REPORT

ot quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the prices for wholesale quantities of standard ality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise in the present emergency

28 Essex Street, W.C.2., November 27

PORTS to hand this week indicate that all markets are fully steady to firm, h values well maintained. Business in a number of products would unubtedly have been greater had adequate supplies been available. It is ibtedly have been greater had adequate supplies been available. It is ticeable that some holders of small stocks are reluctant to part with their plies at the present time. Demand for Pharmaceutical Chemicals tinues along quiet lines with most prices fully maintained. The chief ision this week is in Bromides, prices of which have been advanced. Indeptrice is a steady market, but business has been on a small scale. Alacol continues to attract a fair amount of inquiry. Dealers' quotations Phenacetin and Salol are tending dearer. Vanillin is steady at the ent advance.

ude Drugs

A fair consuming trade continues in these products and the general tone the markets is firm. Business is restricted in some cases by the smallness stocks and the difficulty in bringing forward fresh supplies. Kobe Agar ntinues in strong demand and prices are at higher levels. A moderate busis is noted in Curação Aloes at steady prices. Buchu leaves are firm on t as new-crop will not be available for some time. More inquiry is reported Japanese Camphor. Spot quotations for Chinese Cantharides are at the higher values and a shipment offer is noted. Cochineal is quoted Ently higher values and a shipment offer is noted. Cochineal is quoted hade dearer. A fair inquiry has been received for Cascara sagrada but t stocks are small. Spanish-Portuguese Ergot is firm for shipment. All rieties of Ginger are at higher rates. Sudan Gum acacia is quoted dearer spot. Minas Ipecacuanha has been in better inquiry and spot quotations slightly easier. There is plenty of inquiry for Chinese Menthol. but ranese is neglected. London spot quotations for Mercury are unchanged. Mento is a firm market with quoted values again dearer. Supplies of goodality rough-round. Rhubers are becoming increasingly difficult to find on ality rough-round Rhubarb are becoming increasingly difficult to find on t. Some small lots of Canary seed are reported offering. Coriander is rer. Turmeric is quoted at unchanged rates.

onditions in these markets during the past week have been more lively than late, the most likely reason being increased demand from consumers for sonal requirements. It is understood that import licences for essential s are now being granted. Importers of these commodities are required to mit a certificate of imports for the year prior to the commencement of war. English expressed Almond continues steady at the recent advance. ISE (STAR) is a firm market. There is no change to report in the position of x, which continues fully steady as quoted. Cassia is very firm on spot d no shipment offers are available. Both Ceylon and Java Citronella oils ve been quiet this week. Geranium is firm. Lemongrass is very firm and wing a tendency to rise. There are no changes in the controlled prices of NSEED and OLIVE. Sterling quotations for Californian ORANGE are at the shift of the sterling property of the sterling and and a ramount of business is reported done. Bulgarian Rose is now quoted ghtly dearer.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at popening on Wednesday morning:—

Centre	е		Quoted	Par	November 20	November 27
bon drid ntreal w York anghai		::	Prancs to £ Paper pesos to £ Florins to £ Escudos to £ Pesetas to £ Dollars to £ Dollars to £ Per dollar	nominal 12·107 110 25·24½ 4·86½ nominal	176§* 17·02* 7·60* 100·0* 37·25 4·45* 4·03* 3§d.	176§* 17°02* 7°60* 100°0* 37'25 4'45* 4'03* 3 ² d.
kohama	• •		Kronor to £ Per yen Francs to £	18·150 28. 22·2115	16·90* 15. 2½d. 17·35*	16·90* 1s. 2}d. 17·35*

^{*} Rate fixed by Bank of England. Bank rate, 2 per cent.

Pharmaceutical Chemicals, etc.

USINESS continues along moderate lines, with the general tone fairly steady. ome trade prices for bromides have been advanced.

ACETANILIDE.—Market about steady; business unimportant. Spot, B.P.C. ystals and powder, from 2s. 4d. to 2s. 6d. per lb., according to quantity. AMIDOPYRINE.—Steady as quoted, but there is not much business moving alers' quotations are at about 27s. per lb. for crystals, in one-cwt. lots, and to 30s. for smaller lots; powder, 3d. per lb. extra.

ATROPINE.—Makers' fixed prices are unaltered: ALKALOID, 21s. per oz.; oz., 20s. 6d., and 25 oz., 20s. per oz. Sulphate, 16s. 6d. per oz.; 4 oz., 16s.,

1d 25 0x., 15s. 6d. per oz. 1d 25 0x., 15s. 6d. per oz. 1d 25 0x., 15s. 6d. per oz. 1stles, under 5 gm or ½ 0x., corked, 3d.; stoppered, 5d.; 5 gm. or ½ 0x. to 1 0x., teked, 3d.; stoppered, 6d.; 25 gm. or 1 0x., corked, 3d.; stoppered, 7½d.; 50 gm. or 2x., corked, 4d.; stoppered, 9d. each; 100 gm. and over, included in price; tubes, per 100, 5t., 10s. 6d.; 10-gr., 12s. 3d.; 15-gr., 14s.

Benzaldehyde.—Spot is firm at about 3s. to 3s. 6d. per lb. for p.f.c. ipplies are still difficult.

Benzoic acid.—The difficulty in the supply position continues, but prices e unchanged. Makers quote at from 2s. 6d. to 3s. per lb., according to

Benzyl Benzoate.—A strong inquiry is being received, but supplies are stricted. Values are nominal.

BISMUTH SALTS.—Makers' prices per lb. are unchanged, as given below:—

			Under 4 lb.	4 lb. and under 8 lb.	8 lb. and under 28 lb.	28 lb. and under 1 cwt.	Not less than 1 cwt.
Carbonate Citrate Nitrate, crys Oxide Salicylate Subchloride Subgallate Subnitrate	it.	 	 s. d. 11 3 13 4 7 7 15 4 11 9 14 11 11 11	s. d. 10 9 12 10 7 1 14 10 11 3 14 5 11 5 9 5	s. d. 10 0 12 1 6 4 14 1 10 6 13 8 10 8 8 8	s. d. 8 7 10 4 5 7 12 0 9 0 11 8 9 2 7 6	s. d. 8 4 10 1 5 4 11 9 8 9 11 5 8 11 7 3

Rebate of threepence per lb. allowed off r-cwt. prices on sales of not less than 2 cwt., or against contracts of not less than 2 cwt., provided whole of contract quantity is ordered within three months. Prices net. Payments in fourteen days. For quantities of 28 lb. and upwards, in the home trade, an extra charge of threepence per lb. is made for 1-lb. cartons and 1-lb. parcels, even when repacking into 1-lb. cartons or 1-lb. parcels is effected by the purchaser. Smaller quantities than 28 lb. are not subject to this extra charge. Under present conditions all prices and sale terms are named without engagement.

BORAX (B.P.).—Makers' prices for minimum one-ton lots are as follows: Granulated, £31; crystals, £32; powder, £32 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain. Commercial quality, £8 per ton less.

Boric acid (B.P.).—No change in makers' quotations. Granulated, £45 ios.; crystals, £46 tos.; powder, £47 tos. per ton for minimum one-ton lots, in cwt. bags, carriage paid in Great Britain. Commercial qualities, £8 per ton less.

Bromides.—Prices for the home trade have been advanced as follows:—

				In par	cels of		
Potassium		ı lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
I lb. and under 4 lb. 4 lb. and under 7 lb. 7 lb. and under 14 lb. 14 lb. and under 28 lb. 28 lb. and under 1 cwt. 1 cwt. 5 cwt. 1 ton	 	s. d. 3 II 3 IO 3 9 3 8 3 7 3 O ² / ₂ 2 III 2 IO ¹ / ₂	s. d. 3 9½ 3 8½ 3 7½ 3 7½ 3 5½ 2 11 2 10 2 9½ 2 9	s. d. 3 8 4 4 3 7 4 4 3 6 4 4 3 5 4 2 10 4 2 9 4 4 2 8 4 4	s. d. 3 634 3 534 3 434 2 104 2 834 2 844 2 844	s. d. 	s. d.

Sodium 1d. per lb. extra; ammonium, 3d. per lb. extra; packing extra but returnable. Net carriage paid in the U.K., contracts over six months, each delivery against the contract to be charged at schedule rates current on the day of acceptance of each order calling up supplies ex contract or on date of dispatch of the goods, whichever is higher. The usual re-sale terms apply.

CALCIUM LACTATE.—This product meets with a moderate demand and the market is about steady. Makers quote a spot price of about 1s. 8d. per lb.

market is about steady. Makers quote a spot price of about is. 8d. per lb. Cocaine.—The following are British makers' prices for wholesale bulk quantities: Hydrochloride and nitrate, 25 oz. and over, 29s. 9d.; 16 oz. and less than 25 oz., 30s. 9d.; over 8 oz. and less than 16 oz., 31s. 9d. per oz. Alkaloid, citrate and salicylate, 25 oz. and over, 32s. 6d.; 16 oz. and less than 25 oz., 33s. 6d.; over 8 oz. and less than 16 oz., 34s. 6d. per oz., 16-oz. packages free, smaller packing extra. The scale of prices applicable to distributors of smaller quantities is as follows: Hydrochloride and nitrate, 8 oz., 34s. 1d.; 4 oz. and less than 8 oz., 34s. 7d.; 2 oz. and less than 4 oz., 35s. 5d.; 1 oz. and less than 2z., 36s. 5d.; 1 oz. and less than 1 oz., 37s. 1id.; 1 oz. and less than 2 oz., 36s. 1id. per oz. Alkaloid, citrate and salicylate, 8 oz., 36s. 1od.; 4 oz. and less than 8 oz., 37s. 4d.; 2 oz. and less than 4 oz., 38s. 2d.; 1 oz. and less than 2 oz., 39s. 2d.; 2 oz. and less than 1 oz., 40s. 8d.; 4 oz., and less than 2 oz., 39s. 8d. per oz., packages extra. Re-sale: Sales are subject to buyers' undertaking not to re-sell any quantity below the scale of prices for such quantity current at the time of re-sale. Export prices vary according to destination. Export prices vary according to destination.

CITRIC ACID (B.P. CRYSTALS).—Makers' price continues nominal at 1s. 2d. per lb., less 5 per cent. discount. Dealers are asking from 1s. 1od. to 2s. per lb.

CREAM OF TARTAR (B.P.).—One maker notifies a nominal price of 202s, per cwt., less 21 per cent. discount, with supplies restricted to regular consumer customers. Another maker reports that supplies of raw materials are expected, but it is anticipated that the price of the finished product will not be less than 250s. per cwt.

CREOSOTE (BEECHWOOD).—Dealers are quoting about 7s. 6d. per lb. for bulk quantities, in 25-kilo demijohns.

ETHERS (METHYLATED).—The following prices are quoted by makers:—

						Winchester	Not le	ss than	
	Spec	ific Gr	avity	and Gr	ade	quarts, per lb.		12 w. qts., per lb.	Drums, per lb.
						s. d.	s. d.	s. d.	s. d.
0.750						 I 4½	I 4	I 3½	I 21/2
0.735						 1 5	I 4½	I 4	I 3
0.730						 1 5	I 4½	I 4	I 3
0.725						 1 7	$16\frac{1}{2}$	1 6	I 5
0.725,	triply	rectifi	ed			 1 111	1 11	1 10½	I 9½
0.720						 1 8 T	I 7½	1 7	1 6
0.717						 2 2	$2 I \frac{1}{2}$	2 I	2 0
0.720	В.Р., п	ot for	anæs	thesia		 1 10	I 9½	I 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anæsthetic ethers unchanged.

EMETINE HYDROCHLORIDE.—Makers are quoting at between 100s. and 104s. per oz., according to quantity.

EPHEDRINE HYDROCHLORIDE (B.P.).—The value of ordinary quantities would be from 7s. to 8s. per oz. Lots of 1,000 oz. at a slightly lower figure.

GUAIACOL.—This product continues to find a good volume of inquiry and rices are firm. Dealers are quoting crystals at about 12s. 6d. per lb., and liquid at about the same figure.

Guaiacol carbonate.—The market is very steady as quoted by makers and dealers; spot, about 12s. 6d. to 13s. per lb., ex store.

HEXAMINE.—Continues to find a fair volume of business and prices are fully maintained. Free-running crystals are valued at about 2s. id. to 2s. 3d. per lb.; ex store, according to quantity; powder would be at cheaper rates.

per 1D.; ex store, according to quantity; powder would be at cheaper rates.

Lodden Makers' prices continue at former rates: Potassium, B.P., not less than 1 cwt., 8s.; 28 lb., 8s. 6d.; 14 lb., 9s. 2d.; 4 lb., 10s. 8d.; smaller quantities, 11s. 2d. per lb. Sodium, B.P., not less than 28 lb., 8s. 10d.; 14 lb., 9s. 4d.; 7 lb., 10s. 9d.; 4 lb., 11s. 5d.; smaller quantities, 12s. 3d. per lb. Lodden, B.P., resub, not less than 1 cwt., 9s. 2d.; 28 lb., 9s. 7d.; 14 lb., 10s. 2d.; 7 lb., 11s. 7d.; 4 lb., 12s. 3d.; smaller quantities, 13s. per lb. Lodden, B.P. (cryst., precip. or powder), not less than 28 lb., 11s. 4d.; 14 lb., 11s. 10s.; 7 lb., 13s. 9d.; 4 lb., 14s. 7d.; smaller quantities, 15s. 5d. per lb. Contracts for 1 cwt. and upwards (assorted if desired) for delivery as required during three months, with the following clause: Price applicable to required during three months, with the following clause: Price applicable to any delivery is that in force on date of dispatch. One-cwt. cases charged extra; 28-lb. tins 2s. each and non-returnable. All bottles charged for but credited in full if received back carriage-paid in good condition within three months. Carriage paid on any quantity. Assorted quantities charged for at collective total prices on orders for 14 lb. and upwards. It is a condition of sale that buyers undertake not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made.

LACTIC ACID (B.P.).—The market has shown little activity this week; quotations are steady at is. 8\frac{1}{2}d. per lb., for one-cwt. carboys; winchesters and bottles are at about is. 9\frac{1}{2}d. to 2s. per lb., ex store, according to quantity.

MERCURIALS.—Controlled prices are as follows:-

Mercury Compound	Ov 7 lb. less 28	but than	and o but tb:	less	and but th	wt. over less an wt.	and but	wt. over less an wt.	5 c and	wt. over	
Bichloride, powder		 s. 12 12 13 14 14 15 16 16	2	14 14 16 15 All qu	IO	14 14 16 15 ties—	2 0 7 4 10 -15s.	s. 12 12 12 14 13 14 16 15 6d. p	8	16	d. o 11 6 7 5 4 1 9

Packages free for quantities of 28 lb. and over; delivery free on orders of £20 and over.

MERCURY IODIDES.—The following are makers' prices per lb.: Red, less than 7 lb., 17s. 8d.; not less than 7 lb., 17s. 4d.; not less than 1 lb., 16s. 1od. Green, less than 7 lb., 19s. 6d.; not less than 7 lb., 19s. 2d.; not less than 1 lb., 18s. 8d. Yellow, less than 7 lb., 21s. 3d.; not less than 7 lb., 20s. 11d.; not less than 14 lb., 20s. 5d. net, carriage paid.

PARALDEHYDE.—Meets with a steady business on limited lines. Spot, about 11d. to 1s. per lb., for one-cwt. carboys.

PHENACETIN.—This product is meeting with an average demand, and makers' spot prices are steady at about 3s. 9d. to 4s. per lb. for ordinary quantities, without engagement. Dealers' quotations are tending dearer at about 8s. 6d. per lb.

PHENAZONE.—Dealers' quoted prices are steady at about 17s. 6d. per lb. for bulk quantities, and about 22s. per lb., for smaller quantities.

QUININE.—Quotations for sulphate are at 59.85 American dollars per 100 oz., f.o.b. Java. Sterling quotations, at current exchange rate, is £14 17s. 5d. per 100 oz., f.o.b. Java.

RESORCIN.—No change in makers' prices: Not less than 7 lb., 7s. 3d. per lb.; not less than 14 lb., 7s.; not less than 56 lb., 6s. 10d.; not less than 1 cwt., 6s. 9d. Dealers' prices for any spot material available would be about 8s. 6d. to 9s. per lb.

Salicylic acid (B.P.).—Makers' quoted prices show no change.

In containers of		ı lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.	
Under 4 lb. 4 lb. and under 7 lb. 7 lb. and under 14 lb. 14 lb. and under 28 lb. 28 lb. and under 1 cwt. 1 cwt. and under 5 cwt. 5 cwt. and under 1 ton.		s. d. 2 7½ 2 6½ 2 5½ 2 4½ 2 3½ 1 11½ 1 11	s. d. 2 6 2 5 2 4 2 3 2 2 1 10 1 9 ^{1/2} 1 8 ^{1/2}	s. d. 2 444 2 344 2 244 2 194 1 944 1 84	s. d. 2 31 2 21 1 91 1 88 1 78	s. d. 	s. d. 2 0 1 1 8 1 1 8 1 7	

* 8 × 14 lb. and upwards, in one delivery, ½d. lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Can be assorted with sodium salicylate. Prices are quoted subject to undertaking on part of buyer not to re-sell any quantities at prices or terms below scale current at time re-sale is made.

SACCHARIN.—98s. 4d. per lb., duty paid, is the Convention price for 550. Neither wholesale nor retail prices are under Government control.

SALOL.—Quotations for this product are now at about 6s. 9d. to 7s. 6d. per lb., according to quantity.

STRYCHNINE SALTS.—British makers are quoting the following prices 07. :-

		der oz.	un	oz. nd der oz.	a	oz. nd /er			de r oz.	un	oz. ad der oz.	500 a
•	s.	d.	s.	d.	s.	d.		s.	d.	s.	d.	s.
Alkaloid, crystalline	2	8	2	7	2	6	Nitrate, powder	2	51	2	41	2
,, precipitated	2	8	2	7	2	6	", ", No. 2	1	11	1	10	I
Acetate	2	$10\frac{1}{2}$	2	91	2	81/2	Phosphate	3	31/2	3	21	3
Arsenate	2	9.	2	8	2	7	Sulphate, neutral,			1	_	1
Arsenite	2	105	2	$9\frac{1}{2}$	2	83	crystalline	2	2	2	I	2
Bisulphate	2	03	I	117	1	$10\frac{1}{2}$	Sulpbate, neutral,	1				
Hydrochloride	2	51	2	41/2	2	31/2	powder	2	2	2	Ι	2
Hypophosphite	5	2	5	I	5	0	Sulphate, neutral,	1				
Nitrate, crystalline	2	51/2	2	$4\frac{1}{2}$	2	31/2	powder No. 2	I	9	1	8	I

25-oz. containers and outer cases free; smaller packages extra. Contracts may be boo for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Te net thirty days. Wholesale distributors' prices for small quantities would be dearer.

Sulphanilamide.—Business has been fairly good, and quotations steady at about 10s. 6d. to 11s. per lb., according to quantity.

SULPHONAL.—The spot market is fairly steady with offers in the region 34s. to 37s. 6d. per lb., according to quantity.

TARTARIC ACID (B.P. CRYSTALS).—Makers' nominal quotation is now 2s. $6\frac{1}{2}$ d. per lb., less 5 per cent. discount. Supplies are reserved for reguconsumer customers. Some offers of foreign material are reported at ab 3s. 1od. per lb.

Vanillin.—British makers' prices were recently advanced, and are n steady as follows: Ex clove oil or guaiacol, five cwt., 15s. 6d. per lb.; one cw 15s. $7\frac{1}{2}d.$; 56 lb., 15s. 9d.; less than 56 lb., 16s., carriage paid in the U Tins in cases are now returnable to makers.

Crude Drugs, etc.

While the volume of business has not been particularly large, values of m products are firmly maintained.

Aconite Root.—This product is in short supply; quoted at about 14 per cwt.

AGAR.—A steady demand has been met with on the London market, l AGAR.—A steady demand has been met with on the London market, I owing to lack of supplies comparatively little business has been moving spot. It is understood that a few bales of Kobe No. 1 are still available about 15s. per lb. Kobe No. 2 is valued at about 14s. 6d., and Yokoha No. 1 at the same figure. No shipment offers are available from Japan.

Aloes.—The market for Curação continues steady with a moderate busin exists.—The hadren for curvature of the transparent and the transparent being done. The value of spot is unchanged at about 320s. to 350s. per cw ex store, according to quantity. The last price reported from New York w at 300s. per cwt., c.i.f. Business in Cape continues along average lines w spot quotations steady at about 57s. 6d. to 60s. per cwt. Very few buyers a interested at the moment in Zanzibar leaves which would be worth about 250s.

Antimony.—The market for English is quiet with 99 per cent. quoted £90 per ton, delivered; foreign regulus remains idle at about £90 to £91 ton, ex warehouse, duty paid; Chinese regulus, £90 to £92 per ton, ex war house London.

Arnica flowers.—As previously reported, first-hand stocks of this dr are very low. Any odd bales available on spot would fetch a price of abo

28. 3d. per lb., ex store.

Balsams.—Market continues firm, with stocks remaining short. *Tolu*, sp. about 8s. 6d. per lb.; *Canada*, about 7s. 6d. per lb.; *Copaiba*, Para, 3s. 6 to 3s. 9d. per lb.; *Peru*, 7s. 9d. per lb.

Belladonna.—The first-hand market for imported root and leaves no

appears to have been cleared and no quotations are available. English-grov leaf is quoted at about 3s. 9d. per lb.

Benzoin.—About steady on spot; business fair. Approximately £5 10s. £6 15s. per cwt., ex store, is the present spot price of Sumatra.

BISMUTH METAL.—The price continues steady at one dollar 25 cents per l Buchu.—New-crop will not be available for some time. Spot is firm account of small supplies at about 3s. 3d. to 3s. 5d. per lb., according

CAMPHOR.—Quiet on spot. Japanese, tablets, about 6s. per lb. for limits supplies; slabs, more inquiry and more business reported, price about 5s. 2 5s. 2d. per lb.; flowers, about 5s. 4d. per lb. Continental synthetic powde 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, quoted as follow Flowers, one cwt., 5s. 9d.; 28 lb., 5s. 1od.; less than 28 lb., 5s. 1rd. per l Transparent tablets, \(\frac{1}{4}\)-oz., one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb. 6s. 5d. per lb.

CANTHARIDES.—Business has been unimportant. Chinese is quoted dear on spot at 5s. 9d. to 6s. per lb., duty paid; there is mention of a shipmer offer at 5s. per lb., c.i.f. Spot value of Russian, if available, would approximately 6s. per lb.

CARDAMOMS.—Inquiry slight; quotations unchanged. Ceylon, spot, 3s. 6 to 5s. per lb., according to quantity. Bombay seed, about 4s. 6d. per l Mangalore seed, about 4s. 3d. per lb. Aleppy greens, about 3s. 2d. per lb.

CASCARA SAGRADA.—Fair inquiry continues, but spot stocks are limited value would be about 125s. per cwt. Shipment is in the region of 100s. per cwt., c.i.f.

CASCARILLA.—Unchanged on a slow market. Good silvery quill continues t be offered by dealers at about rs. 6d. per lb., with siftings at a slightly lowe figure.

CHAMOMILES .-There appear to be no stocks of Belgian flowers left in firs hands. Any odd lots of medium-quality that may remain would be valued a about 4s. 6d. per lb.

CHILLIES.—The market is quiet but values are maintained. Mombasa, spot 125s. per cwt.; Zanzibar, f.a.q., 115s.; and Sierra Leone, 112s. 6d. per cwt CLOVES.—Steady but quiet, with quotations maintained at recent levels. nzibar, spot, rod. per lb., sellers; shipment, November-December, 9d. per , nominal, c.i.f. Madagascar, quoted unchanged on spot at 9\frac{3}{4}d. per lb., bond.

Cochineal.—Quiet. Spot quotation for blacks is now at about 2s. 3d. per ; greys, about 2s. per lb.

COCOA BUTTER.—There are no offers for prime English; foreign, about 2d. per lb., nominal, duty paid, ex wharf.

COCONUT (DESICCATED).—Fine and medium are nominal on the spot.

COLOCYNTH.—Very little business passing. Fine-quality pulp is valued on at about 2s. per lb., with ordinary grades at about 1s. 7d. to 1s. 8d. per lb. DANDELION ROOT.—English-grown root is quoted at approximately 2s. per There are no quotations available for imported material.

IGITALIS LEAVES.—There are no open-market quotations for imported ves. English-grown leaves would be worth about 4s. per lb., ex store.

ERGOT.—Spot quotations for Spanish-Portuguese are now at about 8s. 9d. 9s. per lb., ex store; shipment firm at about 7s. 3d. to 7s. 6d. per lb., c.i.f. GAMBOGE.—A steady trade at unchanged values. Good-quality Siam pipe quoted on spot at between £25 and £26 per cwt., duty paid, ex store.

GENTIAN.—Approximately 1s. 9d. to 2s. per lb. would be the value of any d bags of sliced root that may remain on spot.

GINGER.—All varieties show an increase over the prices quoted last week. st African, spot, is now 50s. per cwt., sellers. Jamaican, small-medium, s.; bold, in barrels, 90s. per cwt., ex store. Cochin, unwashed, 55s. per cwt.,

CUM ACACIA.—Business quiet. Kordofan cleaned sorts, spot, slightly arer at about 8os. per cwt.; bleached, from 125s. to 15os. per cwt., according quality; shipment, about 47s. 6d. per cwt., c.i.f.

HENBANE.—The only quotation available is one of approximately 6s. 6d.

lb. for English-grown leaf.

HYDRASTIS.—Steady, business of small account. Spot quotations for

ested root are at about 17s. 6d. per lb.

PECACUANHA.—About unchanged, with small business reported. Matto sso, spot, about 22s. per lb., ex store; shipment, about 17s. 6d. to 18s. 6d. Ib., c.i.f. Minas, more inquiry for spot which is quoted slightly easier at out 10s. to 10s. 6d. per lb., according to test; shipment, about 7s. 6d. per c.i.f. Ext. ipecac. lig., unchanged at 30s. per lb. for minimum lots of

AVENDER FLOWERS.—Good blue flowers are extremely scarce but odd lots

ht be obtainable at about 2s. per lb.

OBELIA HERB.—Inquiry continues fair, but business is limited by the small plies now available. Dealers' prices are steady at about 1s. per lb., for t; shipment unchanged at about 11d. per lb., c.i.f.

the support of inquiry for Chinese on spot; quotations are now at ut 19s. 9d. to 20s. per lb., according to brand; shipment, November-ember and December-January, quoted at about 16s. 9d. to 17s. 3d. per c.if. There is little demand for Japanese and spot is quoted at about 10s. 9d. to 17s. 3d. per c.if. There is little demand for Japanese and spot is quoted at about 10s. 9d. 15s. per lb., ex store, duty paid.

IERCURY.—Spot quotation is maintained at £54 ros. per bottle of 34.5 kilos, warebouse London, without engagement and subject to confirmation.

UTMEGS.—Modest spot business; quoted unchanged. West Indian, spot,

, about is. per lb.; 90's, 8d.; wormy and broken, about 6½d. PRANCE PEEL.—The present spot value of thin-cut is at about 3s. 2d. per ex store. Bitter quarters, if available, would be worth approximately

8d. per lb., ex store.

EPPER.—Steady; quoted values unchanged. Lampong, spot, 3^{15}_{16} d. per in bond; shipment, November–December, nominal. Tellicberry, spot, ; shipment, November–December, 32s. per cwt., c.i.f. Aleppy, spot, 4^{1}_{2} d.; ment, November–December, 32s. per cwt., c.i.f. sellers. White Muntok, t, duty paid, 5^{3}_{1} d.; in bond, 5^{1}_{2} d.; shipment, November–December, 4^{2}_{3} d.,

IMENTO.—Firm. New-crop for November-December shipment is quoted rer at 122s. 6d. per cwt., sellers, c.i.f. Spot, unchanged at 1s. 4d. per lb. YRETHRUM.—Rather quiet; values maintained. Spot, about 185s. per ., ex store.

UILLAIA BARK.—Market has been quiet, with quotations steady at about per cwt., ex store.

HUBARB.—Supplies of good-quality rough-round are becoming increasingly cult to locate. Some business is reported done on spot in this quality at 6d. per lb.; shipment offers are in the region of 4s. 4d. per lb., c.i.f., but this difficult to obtain. A good demand is noted for Shensi and values te between 7s. 9d. and 8s. per lb., according to quality; pickings are quoted bout 6s. per lb.

UBBER.—Closed steady; moderate business passing. Standard ribbed ked sheet, spot, 11½dd.; November, 11½dd.; December, 11½dd.; January, .; February-March, 12½d.; April-June, 12½dd.

AFFRON.—Approximately 170s. per lb. would be the present spot value of line Spanish.

EEDS.—Anise.—Spot, 98s. 6d., duty paid, and 95s. in bond. Canary.—
t, a few bags were offering at 67s. 6d., duty paid. Caraway.—Spot,
ch, 200s., duty paid. Coriander.—Spot, market dearer. Morocco, ex
rf London, quoted at 67s. 6d., duty paid, and 65s., ex store Liverpool.
sellers at present. Cumin.—Spot, 145s., duty paid, quoted for Morocco
Malta. Dill.—Spot, Indian, 48s. 6d., duty free, ex store Liverpool.
Nel.—Spot, Indian, 55s. to 57s. 6d., duty free; Iran, 50s. to 55s., duty
Fenugreek.—Spot, Morocco, 25s. 6d., duty paid, ex wbarf London
Liverpool. Mustard.—Spot, 58s. to 67s. 6d., according to quality.
Let.—Plate has been sold at 40s., duty paid.

**Nega.—Dealers' spot quotations continue firm at about 4s. 3d. to 4s. 6d. EEDS.—Anise.—Spot, 98s. 6d., duty paid, and 95s. in bond. Canary.

NEGA.—Dealers' spot quotations continue firm at about 4s. 3d. to 4s. 6d.

lb.; shipment offers are at about 4s. 2d. to 4s. 3d. per lb., c.i.f.

ENNA.—Spot values of both Tinnevelly and Alexandrian are nominal.

SHELLAC.—Market has been quiet this week. Spot, standard TN orange, 80s.; pure button, 110s.; fine orange, 105s. to 170s. per cwt.

TAMARINDS.—Quotations for West Indian are steady at about 38s, per cwt., ex store.

Tonka Beans.—Spot firm at about 2s. 6d. per lb. for fair frosted Para beans. TRAGACANTH.—Quotations continue steady at former values; business quiet. Finest selected white ribbon, £93; No. 1, white, £95; No. 2, white, £75; No. 3, white, £55; pale leaf, £35; amber leaf, £24; red leaf, from £12 12s.; woody and hoggy, from £5 per cwt., ex store.

TURMERIC.—Market quiet. Spot, Madras and Rajapore finger quoted at 43s. Waxes.—Market quiet. Bees'.—Spot, unchanged at 185s.; in bond, 175s.; shipment, Dar-es-Salaam, 1723. 6d. per cwt., c.i.f. Japanese, first three brands. spot, duty paid, 130s.; in bond, 120s.; shipment, 115s., c.i.f. Carnauba.-Fatty grey, dearer at 410s.; cbalky grey, 405s.; Primeira, 525s.

Essential and Expressed Oils, etc.

A slight increase in activity has been noted in these markets due, no doubt, to a better demand for seasonal products.

Almond.—English expressed continues steady at the recent advance as follows: spot, one-cwt. lots, 4s. per lb., with smaller quantities up to 4s. 6d. per lb., ex store. Spot quotations for genuine French bitter are at the advanced levels recorded last week, i.e., 18s. per lb., nominal, ex store.

Anise (star).—Inquiry good; market very firm. Spot, tins in cases, about 5s. 9d.; drums, about 5s. 7d. per lb., ex store; shipment offers are reported at about 5s. per lb., c.i.f., in drums.

Avocado Pear.—Consuming inquiry continues; importers are quoting spot at about 55s. to 57s. per gall., delivered; smaller lots would be at higher prices.

BAY.—No change to report in the spot position, which is fully steady as quoted, at about 6s. to 6s. 6d. per lb., ex store, according to quantity.

Bergamot.—Spot values continue to be a matter for negotiation between buyer and seller, with about 6os. per lb. representing the average price. Artificial substitutes for this oil are now available from several British makers at attractive prices.

Bois de Rose.—Not very much inquiry on this market. Spot would now be valued at about 11s. 6d. to 12s. 6d. per lb., and shipment, about 9s. 3d. per lb., c.i.f., in drums.

Cassia.—Market is firm, with spot quotations in the region of 7s. to 7s. 6dper lb.; there are no shipment offers.

CITRONELLA.—Both oils have been very quiet this week; quotations are unchanged. Ceylon, spot, quoted at about 2s. 4d. to 2s. 6d. per lb., in drums; small lots, up to 3s. per lb.; shipment, about 2s. per lb., c.i.f. The spot value of the Java oil continues in the region of 2s. 6d. to 3s. per lb.; shipment, about 1s. 9d. per lb., c.i.f.

CLOVE.—A little spot business is reported, with values about steady. Madagascar is quoted at about 5s. 9d. upwards per lb., in drums, if available. English, unchanged at from 6s. 9d. to 7s. 3d. per lb., according to quantity.

EUCALYPTUS.—Quiet and unchanged on the spot. About 4s. to 4s. 6d. per lb. is wanted for 70 to 75 per cent. oil, according to holder; shipment continues to be quoted at the nominal figure of 3s. per lb., c.i.f.

GERANIUM.—Both Bourbon and Algerian continue firm on spot with quotations at around 45s. to 50s. per lb. for any good-quality oil available; there are no shipment offers.

Grapefruit.—Quotations for genuine Californian oil are now in the region

of 148. 6d. to 158. per lb. Genuine Florida is valued at about 118. 6d. per lb. Lemon.—Californian distilled, quoted unchanged at about 108. per lb., nominal; cold-pressed might be obtained on the basis of 3 dollars 25 cents per lb., cost and freight. There is no change in the position of Sicilian handpressed; no quotations are available, and spot prices would be a matter for negotiation.

Lemongrass.—Shipment is firm at about 3s. 102d. to 4s. per lb., c.i.f.; spot quotations are unchanged at between 4s. and 4s. 6d. per lb.

Lime.—West Indian, firm on spot at about 30s. per lb., with other qualities at lower prices.

LINSEED.—The controlled price for large bulk quantities of crude, naked ex works, is at the recent reduction of £41 10s. per ton. Distributors' prices for ordinary quantities would be at higher figures.

NEROLI.—Approximately 8os. per oz. would be the spot value of pure French oil.

OLIVE.—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for a few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. 6d. per gall., as to quantity.

Orange.—French Guinea continues firm on spot at about 7s. to 7s. 6d. per lb., according to quality and quantity. Rhodesian continues to be quoted at 8s, 6d, per lb., ex wharf London. Californian is quoted in sterling at 5s. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transit overland to New York at an extra charge of five cents per lb.

Palmarosa.—Spot values are steady at about 12s. 6d. per lb., ex store; shipment, new-crop, quoted at about 10s. 6d. per lb., c.i.f.

PEPPERMINT.—Demand for the Chinese oil has again been good, and business is reported done on spot at 9s. per lb. Shipment quotations vary between 6s. 3d. and 6s. 9d. per lb., c.i.f. American natural oil, steady at 14s. 3d., in drums, and 14s. 7d., in tins in cases, c.i.f. Spot, steady at about 16s. per lb., ex store.

Petitgrain.—Spot quotations are steady at approximately 12s. 6d. per lb., nominal; no shipment offers are available.

Rose.—The value of Bulgarian on spot would now be at about 8os. per oz. Spike.—Approximately 11s. 6d. to 12s. 6d. per lb. would be the present spot value of this oil.

VETIVERT.—Steady and unchanged. Spot, Bourbon, about 45s. per lb.; Java, about 40s. per lb., ex store.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

The Interpretation of "Put Up"

SIR,—The interpretation by the Commissioners of Customs and Excise of the term "put up for medicinal purposes" (C. & D., November 23, p. 281) provides a test by which the liability can be judged. When the interpretation refers to implication by label, does this mean as between wholesaler and retailer only, bearing in mind that this is the point at which the tax is collected, or does it also apply between retailer and consumer? For instance, a chemist may buy a drug in bulk tax free, which comes to him with only its official title on the label, and he repacks this for sale in bottles or cartons as the case may be, must he sell these packages to his customers without any directions for use being affixed? If so, could not the wholesaler supply his retail customers with packed lines, so long as they complied with the "put up" ruling? There are some drug houses which give the official doses on their wholesale labels, and these would have to be omitted if the drugs were issued tax free. If the small retail chemist can buy his drugs tax free and use them for dispensing, as his sales would not amount to £2,000 a year and therefore he is not a registered supplier, it would seem to solve his problem with regard to Insurance dispensing.

Yours faithfully, J. R. K. (23/11).

Separation of Prescribing and Dispensing

SIR,—In discussing a motion at the meeting at Bradford (C. & D., November 23, p. 271): "That in return for pharmacists relinquishing prescribing the doctors should discontinue dispensing," nobody seems to have raised the point that whereas pharmacists are subject to the strict control of the various Acts and regulations governing the quality of drugs, the accuracy of weights and measures, the storage and registration of poisons and the testing of Insurance medicines, doctors enjoy complete freedom from all these forms of inspection. There is also the fact that pharmacists have had a specialised training in dispensing and the various subjects fundamental to it, while in the medical curriculum pharmacy is allotted only a few hours. This argument could of course be answered by the reply that a pharmacist is not trained to prescribe, but in my experience chemists refer customers requiring medical treatment to doctors far more frequently than dispensing doctors send their patients to the pharmacy to get their prescriptions filled. This only happens when the patient requires something tedious or difficult to compound, and as often as not he is told he can get it at the chemist's for a few pence. Yet a third point might be advanced that many dispensing doctors rely completely on concentrated stock mixtures bought from the wholesale drug houses, a form of dispensing which is discountenanced in Insurance work, as all the Formulary preparations are expected to be dispensed extemporaneously. Although vitamins, vaccines, etc., may be steadily replacing dispensing, I think it will be a long time before the latter is eliminated. A survey of a number of Insurance prescriptions will show that scripts for dispensed medicines far outnumber those for other forms of treatment.

Yours faithfully, Modus Operandi (24/11).

Purchase Tax and Salvaged Stocks

SIR,—There are many anomalies in the purchase tax to which your columns have called attention. Here is an example of a difficulty which we have encountered. We have been approached, as wholesalers, on several occasions by chemists who have been bombed or who for other reasons must dispose of stock, to relieve them of parcels of goods (not necessarily damaged): we would be quite willing to do so. The retailer, however, having paid or been charged purchase tax on the parcel, naturally expects us to reimburse him of these sums. Wholesalers are expected to charge purchase tax on all sales, which would cause the goods in question to be doubly taxed, and evidently this would prevent us from handling such goods. We have therefore approached the Customs and Excise authorities, suggesting that in these cases, where we can produce the invoice showing that tax has been paid, either a rebate should be allowed to us, or permission given to sell these goods tax-free —surely a reasonable request! We are notified, however, that no such concession can be made. Is it too much to hope that red tape can be sufficiently unravelled to make this common-sense adjustment possible? Any business man would surely surmount this obstacle in a few minutes. I would take this opportunity of pointing out that Mr. Reynolds, of Worthing (C. & D., November 23, p. 286), appears somewhat "mixedup" in his letter in your current issue; the purchase tax on the toilet rolls costing 5s. per dozen is only 2d. not 2½d. per roll, and if Mr. Reynolds pays 15s. per dozen for this article the tax would be 5d. and not $2\frac{1}{2}$ d. However, there is nothing to restrict his profit to $2\frac{1}{2}$ d. in the latter case. It is forbidden to make profit on the tax, but where as in this case, the cost of the article has risen there would not appear to be any reason for maintaining the profit margin at the original figure.

Yours faithfully,
Pro Bono Publico (25/11).

MISCELLANEOUS INOUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

Liquid Lipsticks.—B. S. (12/11).—A satisfactory preparation cabe made by dissolving about 3 per cent. of ethyl cellulose in spirit an adding a little castor oil or a fatty alcohol—about 1–2 per cent.—as plasticiser to keep the film flexible, and a suitable alcohol-soluble dye

Salicylsulphonic Acid Protein Test.—R. A. S. (12/11).—When few drops of this acid are added to the solution to be tested a whit precipitate is formed with the higher proteins, even in very diluis solutions. Peptones are not precipitated by this reagent.

Setting Lotion Concentrate.—L. M. W. (12/11).—A solution of the type you have in mind could be made by mixing about 1 oz. of powdere karaya gum with 4 oz. of spirit. By mixing about 4 oz. of this solution with one gallon of water a wave setting lotion of the usual strength case produced.

Vitamin B₁ in Foods.—L. M. B. (11/11).—The following at vitamin B₁ values in common foodstuffs expressed in Internation Units per gram:—

Brewers' yeast, dried	6-23	Fruit, fresh		0.3-1.0
Wheat germ	5.9-18.7	Potato, boiled		0.3
Rice bran	5.6-7.6	Cheese		0.0-0.5
Wheat, entire	2.3-3.4	Milk		0.2
Ox liver	1.5	Wheat flour, white		0.0
Egg-yolk, boiled	1.4	Rice, polished	٠.	0.0

Colour-changing Lipstick.— $B.\ M.\ (12/11).$ —The bromo acid use in this type of lipstick should not be present to a greater extent tha 2 per cent. The dye should be rubbed thoroughly with castor oil to go as much in solution as possible. The stirred mixture of castor oil and dye is melted with the other oils and waxes used to make up the lipstic

Oily Cuticle Remover.—S. B. & Co. (11/11).—This could be made by adding a small amount of oleic acid—about 1 per cent. to a 5 per cent solution of potassium hydroxide. The acid combines with the potassium hydroxide forming potassium oleate. A small addition of mineral of could also be made if desired and should be mixed with the oleic acid before incorporating with the alkali solution.

Mentholated Vanishing Cream.—W. D. M. (13/11).—The type of mentholated cream used by chiropodists can be made by incorporating a small amount of menthol—about 0·1 or 0·2 per cent.—in a vanishing cream base such as the following:—

Stearic acid	 	 	20
Potassium hydroxide	 	 	I
Glycerin	 	 	5
Water	 	 	74

Melt the stearic acid, dissolve the potassium hydroxide in th glycerin and water, and heat to the same temperature as the melte acid. Mix the two and stir until cool. Allow to stand several hours an add the menthol (and perfume if desired) dissolved in a little spirit.

Vegetable Oils in Brilliantine.—W. M. (13/11).—It would be satisfactory to include peanut oil in a brilliantine to replace some of the mineral oil but a little preservative and antioxidant should bused to prevent the vegetable oil from becoming rancid. About oper cent. of each of hydroquinone and methyl p-hydroxy benzoate if the mixed oils would be suitable for this purpose.

Anæsthetic Creams.—M. L. B. (13/11).—Several compounds ar used in creams designed to produce surface anæsthesia. Menthol ha practically no anæsthetic effect and chlorbutol alone has very littl value. The latter is, however, more effective when used with ethy amino benzoate. The addition of adrenalin in such creams is quit unnecessary. The activity of the amino benzoates is generally considered to vary with their solubility, that is, the ethyl compound it the most active in aqueous solution, while the iso-butyl derivativ is the most active in oily solutions.

Use of Cartons.—L. J. S. L. (15/11).—The point you raise could best be answered by referring you to the following extract taken from the Control of Paper (No. 16) Order, 1940, dated May 25:—

"No person shall in the United Kingdom, in wrapping or packing an article in the course of manufacture or for wholesale distribution (a) use an greater quantity of paper wrapping or packing material than such as i reasonably required for the protection of the article, or (b) use any pape wrapper, carton or container the substance or caliper of which exceeds wha is reasonably required for the protection of the article."

Disfigured Nails.— $W.\ M.\ (20/11)$.—A treatment which has proved successful for finger and toe nails which have become brittle, rough and furrowed, is described in the "British Medical Journal," November 16 p. 692. It consisted of rubbing the nails with olive oil to soften then and reduce the sensation in them. In addition the patient received injections of vitamin B_1 twice weekly and was put on a food rich is vitamin B_1 . After four months the nails showed improvement, and two years after were in good condition.



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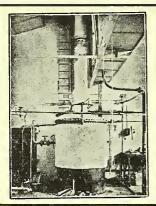
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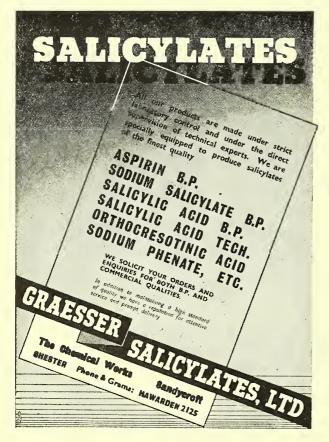
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Here at Holmes Chapel, Benger's Food products are made "untouched by hand." This unbreakable rule applies through all processes of manufacture, and is indeed only a minor part of the hygiene applying to the scientific products we make for the medical profession and the public.

There is no purer product than Benger's Food. We advertise this claim and it is maintained on a basis of solid fact.

Here, for example, are two girls working one of the many filling machines. They are alert workers, for the filling work is fast, and if an accidental slip brings the food in contact with the fillers' hands, away it goes to the



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Do your Customers know how easy Benger's is to make?

Just take half a pint of milk and bring it to the boil. Whilst the milk is heating, take a level tablespoonful of Benger's Food and mix to a smooth cream in a basin with four tablespoonsful of cold water. Take the boiling milk, and immediately it begins to settle in the pan pour slowly (taking about thirty seconds) on the cold mixture, stirring all the time When cool enough, the Food is ready to drink. Add sugar to taste. No more trouble than that!

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The ORIGINAL and STILL the BEST REMEDY for ASTHMA, BRONCHIAL ASTHMA and BREATHING DIFFICULTIES

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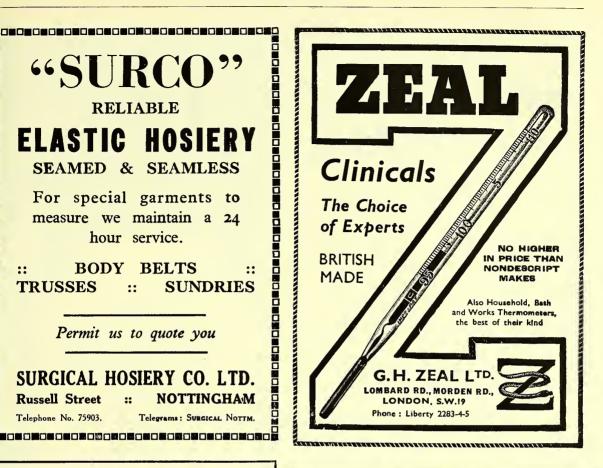
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By joining the P.A.T.A. nearly four hundred proprietary manufacturers have protected their prices and profits and thus demonstrated their goodwill to the retailer. The P.A.T.A. Year Book and Protected List enumerates these price-maintenance manufacturers and their proprietary articles.

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If you are not sure that a line is "on the P.A.T.A.," refer to this List, and if it is not there, ask the maker the reason why!

In these difficult and uncertain days the stabilising and protective work of the P.A.T.A. is more than ever essential to the well-being of the Trade.

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WAR AND HUMAN METABOLISM

Doctors Giving Brands' Essence

LARGE SALES RESPONSE

SINCE the war began, as might be expected, doctors have noticed an increase in the number of people suffering from lassitude, depression, tiredness of mind and body, loss of appetite, and a general disjinterest in life.

These symptoms are familiar even in peace time. They are signs of *depressed metabolism*. They can be caused by living under any mental or physical stress, and the strain of life today can easily account for them.

Clinical Experiments

Several chemists, whose orders for Brand's Essence have increased since the war, reported that doctors were recommending Brand's in cases of this kind. And since Brand's sales have risen appreciably since the war, the makers of Brand's felt that some experiment was called for on the use of Brand's in cases of depressed metabolism.

A famous clinical research institution agreed to make impartial tests. To this end, various accepted preparations for raising the metabolic rate were administered to living subjects by the latest technique.

The doctors were interested to see how repeatedly Brand's Essence achieved the best results. The graphs showed that, on taking half a bottle of either the chicken or beef essence, the subjects' rate of metabolism rose immediately and was sustained over a longer period than when other accepted meat preparations, homemade broths, etc., were taken.

Advertising to the Public

The results of these tests form the basis for a new advertising campaign for Brand's Essence, addressed to the consumer. Authoritative advertisements, presented as straight "news" in the papers and appealing to the educated, moneyed classes of the public, will appear week by week in The Times, the Daily Telegraph, the Observer, the Sunday Times, and Punch, beginning in December.

All those who are feeling the strain of these wartime days and recognise lowered metabolism symptoms in themselves will turn to Brand's Essence. Your sales will receive immediate stimulus.

It will pay you to stock up now with Brand's Essence — still at pre-war prices — and give it good display in your window and on your counter.



[31/11]

RUGGIST

This Supplement is inserted in every copy of The Chemist & Druggist

NOV. 30 1940

IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath.

THIS IS THE TARIFF

GOODS FOR SALE, PARTNERSHIPS, PATENTS PREMISES TO LET, FOR SALE OF WANTED

7/6 for 36 words or less. 2d. for every additional word.

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1/9 per nonpareil line. (12 lines = 1 inch, single column.)

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DISPOSAL BUSINESSES WANTED SITUATIONS OPEN

7/6 for 40 words or less. 2d. for every additional MISCELLANEOUS SECTION

(for Wholesalers, etc.), for odd and second-hand

12/6 for 60 words or less, I/- for every additional 10 words or less.

SITUATIONS 2/6 for 18 words or less, Id. BOX OFFICE NUMBER (for every additional word. I/- EXTRA EXCHANGE COLUMN 2d. per word (for Retailers, etc.)

Advertisements received after these times will not be inserted until the following week. All advertisements should be prepaid and to avoid disappointment send your instructions as early in the week as possible to

THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH or to London Office at 28 Essex Street, Strand, London, W.C.2.

If you are interested
in Latex products—
fully tested British
made—send to

"LA FEMME PRODUCTS"
133-9 THE HIGHWAY, E.I
for samples

Prices 12/6 to 36/- per gross

TABLET MAKER

WANTED BY MANUFACTURING CHEMISTS IN RECEPTION AREA

Must also be capable of taking charge of powder mixing machines and similar equipment. Give full details of age, experience and salary required. All applications will be treated in strictest confidence. Copies of references to 372/628, London Office of this Paper.

OPTICAL

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations

C. A. SCURR, F.S.M.O., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S. 50 HIGH STREET, BARNET, LONDON, N.

WANTED 20-30 miles BIRMINGHAM RETAIL SHOP

or would rent suitable premises behind Chemist's shop suitable as warehouse or small factory

Apply CDB/251, London Office of this Paper

SITUATIONS OPEN

RETAIL (HOME)

BRADFORD, Yorks, suburb. Required shortly Branch Manager. Age 26-30. Reliable, Encreetic. Permanency. Apply with usual particulars, stating when free. CDB/255, London Office of this Paper.

LONDON, W.5. Unqualified Assistant required for good-class business; Dispensing and Counter; good Photographic experience. Apply Bruce's, Ltd., 28 Broadway, Ealing, W.5.

WEST EALING. Assistant wanted from November 25 to December 24, to live locally if possible. Quick Dispenser and accurate. Good experience. All particulars, wages, etc. Apply CDB/252, London Office of this Paper.

A SSISTANT required, aged 30-35, for Dispensing and highclass business; also to relieve at branches when required. Permanency. State full particulars as to age, salary, when, disengaged, references and experience. P. Jeyes & Co., Ltd., The Drapery, Northampton.

DOCTOR would be glad to employ Male Dispenser from bombed or evacuated area. Able to keep books. Look after surgeries, car, etc. Apply with references, stating age and qualifications, to Dr. Willcocks, Springfield Road, Chelmsford.

JUNIOR Assistant required, Lady or Gentleman, accustomed to busy counter and N.H.I. dispensing. Please give full particulars of age, experience, salary, etc., also photo if possible, to W. A. Wood, Chemist, 351 High Street, West Bromwich.

L ADY Assistant required in good-class pharmacy. Please give full details, age, experience, salary required. I. Henneman, Pharmaceutical Chemist, 84 High Street, Sutten, Surrey.

OPTICAL Department. The Stockport I. & E. Co-operative Society, Ltd., require the services of an Assistant qualified Optician. Registered O.B.A.C. Must be quick and accurate refractionist, and over 30 years of age. Pharmacy experience an advantage. Applications by letter only, stating age, wage, qualifications and experience, together with eopies of testimonials must reach the Society not later than first post, Wednesday, December 4, 1940, endorsed "Optician." By Order of the Committee, S. Lloyd, General Secretary.

PHARMACY. Qualified and Unqualified Male Assistants required, to replace men who have been mobilised; also Female Assistants, must have had pharmaceutical and general shop experience. Female Assistant required for pharmacy distributive depot, must have had retail pharmaceutical experience. (Widows and single persons only considered.) Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., I13 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or Officials will disqualify.

PHARMACY Department. Unqualified Male Assistant required; permanency. Please stage age, experience, salary required, and when free, to Manager, Pharmacy Department, Ipswich Industrial Co-operative Society, Ltd., 38 Carr Street, Ipswich. Endorse envelope "Unqualified Assistant."

QUALIFIED Assistant required for Dispensing and Counter.
Write, giving age, experience and salary required to Staff
Office, Welwyn Stores (1929), Ltd., Welwyn Garden City, Herts.

QUALIFIED Lady Assistant required for Pharmacy Department. Must be experienced Dispenser and accustomed to busy Counter trade, Window-dressing, etc. Written applications, stating age, experience, and wages required, to Managing Secretary, Sowerby Bridge Industrial Society, Ltd., 60 West Street, Sowerby Bridge, not later than Tuesday, December 3.

QUALIFIED. Several vacancies will shortly oceur in the South of England for Qualified Men as candidates for Branch Managements. Apply, giving age, experience, salary required, etc., to Timothy Whites & Taylors, Ltd., Retail Drug Department, Claremont Barn, Claremont Lano, Esher, Surrey.

 ${\bf T}^{\bf ABLET~Maker~and~Sugar~Coater~wanted~for~London~Wholesale~Druggists.~365/382,~London~Office~of~this~Paper.}$

TAYLORS British Chemists, have vaccnoies in London for Pharmacists as Managers or Assistants. Permanent employment with good prospects to suitable applicants. Apply by letter to Retail Staff Manager, Taylors British Chemists, 70 Vauxhall Bridge Road, S.W.I.

WANTED, at once, young Qualified Assistant or an Unqualified for Dispensing and Counter. Used to quiek business and many N.H.I. Outdoors. Apply by phone or eall, J. Milner, 209 Trafalgar Road, Greenwich, S.E.10.

WHOLESALE

LANCASHIRE. Representative wanted to call on Chemists in Lancashire and district to sell Compressed Medicines, etc. Applications invited from men with selling ability, good personality and some Retail experience. Write, stating age, experience and remuneration required. Fullest details in confidence. No stamped envelopes. CDB/250, London Office of this Paper.

CLERKS required, men or women. Need not necessarily have had previous experience but aptitude for figures and suitability for clerical work essential. Reply to Office Manager, The British Drug Houses, Ltd., London.

CHEMIST for Analytical laboratory, male or female. Particulars of experience to Gale Baiss & Co., Ltd., Ilderton Road, S.E.15.

COUNTER Hand for Drugs, male or female (Wets and Drys), Wholesale Chemists, S.E. London. State experience. CDB/249, London Office of this Paper.

EMINENT British firm of Manufacturing Chemists marketing Medical Specialities require Medical Representatives for London, Midland and Southern England. Applicants should be about 45 years of age. A pharmaceutical qualification is essential Previous representative experience an advantage. Applicants must give full details fo past experience and qualifications. Write, Box 717, c/o 8 Serle Street, W.C.2.

INVOICE Clerk, Female, required immediately for small city Wholesale firm. Knowledge of patents, toilets and sundries essential. Good position for capable person. State salary and when free. 372/618, London Office of this Paper.

LABELLERS and Finishers required by Manufacturing Druggists. Apply, J. N., 46 Southwark Street, S.E.1.

L ABORATORY.—Experienced junior male Assistant required. Must be strong and used to handling bulk solutions. A progressive salary to keen, capable applicant. Salary to commence £2 los. per week. Apply The London Hospital, Ligature Dept. Annexe, Dunmow Road, Bishops Stortford.

OFFICE Manager to take charge of general office and accounts required by established manufacturers Beauty Preparations. Good salary and prospects to right man. 372/634, London Office of this Paper.

OLD-ESTABLISHED London house, Manufacturing Chemists, require immediately female Counter-hands with experience in weighing and finishing. Age 21-25. Vacancy also for male Export Packer. Apply for particulars to 373/637, London Office of this paper.

OLD-Established Manufacturing Chemists (outside Loudon) require Qualified Pharmaceutical Chemist to take control of manufacturing department. Applicants are particularly asked not to apply for this post unless they have had many years' experience in the actual manufacture of Galenicals. Replies must state age, qualifications, previous experience, salary required. 372/627, London Office of this Paper.

PACKERS for Rail and Export required by Manufacturing Druggists. Apply, C. M., 46 Southwark Street, S.E.1.

QUALIFIED Assistant required in Pharmaceutical Laboratories by well-known firm of Manufacturing Chemists outside London. Manufacturing experience desirable but not essential. Must be able to control staff. Roply stating salary required to 372/625, London Office of this Paper.

QUALIFIED Representative required for Yorkshire. Must be experienced in handling ethical preparations and carrying out medical propaganda. Good chemists' connexion essential. Car owner preferred. Write stating age, experience and salary required and enelose photograph, which will be returned. 372/624, London Office of this Paper.

SALES Representative required for disposal of general requirements to Voterinary profession in South and Southwest counties. Previous experience and connexion preferred. Apply 372/633, London Office of this Paper.

TABLET Coater (male or female), also Tablet Maker, wanted for London firm. Permanent. 371/598, London Office of this Paper.

TABLET Maker, first class, required by Matthews & Wilson, Ltd., 6–8 Cole Street, S.E.1. Good wages and prospects.

TABLET Maker required by old-established house. Situation is not only a war-time one and applicant must give sufficient references to prove that he is capable of conducting a department of fifteen machines. Apply 372/631, London Office of this Paper.

TYPISTS required by Manufacturing Druggists. Apply, H. S., 46 Southwark Street, S.E.I.

WELL educated middle-aged Representative to eall on existing retail accounts in London area. Salary, commission and expenses. Write, stating full particulars, to 372/632, London Office of this Paper.

WET Counter Ha re Apply, C. M., So

WILLIAM RANSO thouse Manage with Reply stating age, q iffer required.

SITUATION

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LADY Assistant Experienced, Leicester.

PHARMACIST (2 de and references (c weeks by arrangeme

PHARMACIST, 1 Management, preferred but not Office of this Paper.

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STUDENT Pharm requires Situate 25 miles of Luton or Trade. Capable, London Office of thi

SCOTLAND. We accommodation distribute to the R repute. Service at Macfarlane, 44 Bolt

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SCOTLAND. Age in additional first-class Paper.

INCREASE YOUR Repartners, with partners, with partners, with the from Gretna to Thu accommission only. I de Edinburgh.

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Assistant Warene export trade. rience and salary

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Good experience Free in few Birmingham, 27.

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with warehouse distinction and assured, A. L.

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travelling; good Representative d or anywhere in esult of present aper.

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Pharmaceutical Union

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AND!! Qualified retail connexion ditional agencies. ighthill Crescent,

BUSINESSES FOR DISPOSAL

DRUG and Toilet, scope for N.H.I.; clean stock. Lock-up shop, every convenience; Thornton Heath. Reasonable figure for quick sale. Present hands 14 years; main road. Reply, 373/638, London Office of this Paper.

FOR SALE, Chemist's and General Merchant's business in 1 Aberdeenshire. Apply, Gray & Kellas, Solicitors, 12 Bon Accord Crescent, Aberdeen.

WELL-ESTABLISHED Drug Stores, with photographic connexion, in Midlands reception city; turnover £2,200 under unqualified owner, who is now engaged on National Service; rent £90 on lease with option of extension; amount required, £800. CDB/258, London Office of this Paper.

MISCELLANEOUS

BEAUTY PREPARATIONS AND COSMETICS. Manufacturers and/or wholesalers who are interested in having their products manufactured and/or distr.buted or who wish dispose of their available quota are invited to contact leading Beauty Preps. manufacturers regarding a mutually agreeable proposition. Initial enquires in strictest conpdence 372/638, London Office of this Paper.

CLASS 16 QUOTA. Well-known Perfumers will consider purchase of, or working arrangement with, house having Class 16 quota. Replies treated in strict confidence. 372/623, London Office of this Paper.

LITTLE CORPORAL Supporting Shorts. Retailing 9s. 7d. and 13s. 8d., including tax. Showing big margin of profit. Write for details. Major, Day, Ltd., 55/56 Western Road,

QUOTAS.—Perfumery and Toilet Preparations quota. Firm of repute willing negotiate purchase of quotas for period commencing 1st December, 1940. CDB/264, London Office of

QUOTAS wanted. Large manufacturers wish to purchase Class 16 Toilet Preparation. Quotas: December-May period. Please reply immediately. CDB/256, London Office of this Paper.

WHOLESALERS will shortly have available considerable quotas Classes 16 and 9, Limitation of Supplies, for disposal. Exact figures to genuine inquirers, who should state offers. 372/626, London Office of this Paper.

WANTED

CREAM Mixer, "Peerless Hobart" or similar type, stainless steel water jacketed hopper and stirrer preferred, otherwise tin lined. Capacity 50 to 80 gallons. State wiring of motor. Write "Mixer," 2 Nancy Downs, Oxhey, Herts.

WANTED to buy for cash, Glycerine, Mercury, Veratrine, Caffeine Alkaloid, Atropine Sulphate, Aniseed Oil. State quantity and price. H. W. Almeroth, 1 Crutched Friars, E.C.3.

FOR SALE

FOR SALE, Lily of the Valley Scent, made up 1938. Up to 10 gross each, $3\frac{1}{2}$ oz. size £18; 1 oz. size, £5 per gross, subject purchase tax; cash on delivery. Prosit, Tunbridge Wells,

FOR SALE. Gestetner Duplicator, perfect condition, very little used. John H. Smith & Co., Chemists, Newark, Notts,

PURCHASE TAX GUIDE

This guide provides quick and easy alphabetical reference to all the types of goods of interest to the pharmaceutical, chemical and associated industries specified in the schedule of goods chargeable with purchase tax, issued by Customs (Notice No. 78).

Reprints of this guide (published in the October 19th, 1940, issue of "The Chemist & Druggist") are now available at the following prices:-

> 6 copies 7d. post free Is. 0d. ,, 12 25 Is. 9d. ,, ,, 50 3s. 0d. 100 4s. 6d.

Orders, together with remittance, should be sent to The Publisher, "The Chemist & Druggist," The Pitman Press, Bath

f negotiations between Ministry of Health, it Il apply to all special nmediately, and to all prescriptions, immediately, As a result of negotiaux ion and the Ministry of a shall apply to of has been arranged that the purchase tax shall preparations ordered on N.H.I. prescriptions, imm

going but where the takings did not appear sufficient to ensure a reasonable living, the maintenance grant was increased from £2 per week to £3 per week. One new grant was made of £3 10s. per week where a chemist had had to leave his business owing to the war and take up a post elsewhere. Owing to ill health he subsequently had to leave that post and in addition his child had been taken to hospital suffering Fund Committee of the National Pharmaceutical Union, 4-5 Queen Square, London, W.C.f., on Wednesday, November 20 (Mr. C. A. Hill in the chair), the secretary reported that maintenance allowances ranging from £2 per week up to £4 per week were being made from the Fund, and it was decided to continue those payments in six cases. Find, and it was decided to continue those payments in six cases. In other cases where the chemist had been successful in obtaining a post the grants were discontinued. In one case where the chemist had gone back to his business in an attempt to carry on, the maintenance allowance was increased from 4.3 per week to 4.4 per week, and in another case where the chemist was endeavouring to keep his business to secure another post. He was endeavouring to secure another point one of £10 had been made for the cost a meeting. another part appliances as from December effects to and o Distress acute appendicitis. payments of other drugs and N.P.U. Three

Trade 1 Proprietary Articles

Borax (B.P.),—Makers' prices for minimum one-ton lots have been vanced as follows: Granulated, £34; crystals, £35; powder, £35 10s. per ton, 1-cwt. bags, carriage paid in Great Britain. Commercial qualities £8 per

Trade Report

follows: Granu-

Boric acto (B.P.).—Makers' prices have been advanced as follows; Granulated, £50 10s.; crystals, £51 10s.; powder, £52 10s. per ton, for minimum one-ton lots, in cwt. bags, carriage paid in Great Britain. Commercial qualities.

Additions and Alterations (unless otherwise stated, all prices include purchase tax).—John Bell Hills & Lucas, Ltd., Iotil Suntan Lotion, 1s. 54d., 1os., 8d. doz.; 2s. 44d., 17s. 8d. doz. Paramag and Parathal, 8 oz. size, 2s. 24d.; 17s. 8d. doz. All prices quoted are net. 5 per cent. on £5 orders. Bengue & Co., Ltd., Bengue Brand Balsam, 1s. 3d., 1os. 6d. doz.; 3s., 25s. 1d. doz.; Bengue's Eupurgo, 2s., 18s. 1d. doz.; Bengue's éragees, 2s. 6d., 2zs. 54d. doz.; The British Drug Houses, Ltd., Radiosoleum capaules, 2s's, 2s. 3d., 18s. 8d. doz.; Radiosoleum capsules, 5o's, 4s., 33s. 1od. doz.; Woorland Brand Asprim tablets, 5o's, 4s., 33s. 1od. doz.; Woorland Brand Asprim tablets, 5o's, 1s. 4d., 6s. 9d. doz. Bonus terms discontinued. Haveods Laboradories, Ltd., Secocalem tablets, 3s. 4d., 31s. 6d. doz.; 8s. 5dd., 79s. 6d. doz.; 11s. 1od., 111s. doz.; 25s. 4d., 5os. 1rd. each. International Chemical Co., Ltd., Lavona hair tonic, 4s. 4d., 4s., 4d. doz. Potter & Clarke, Ltd., Sciango, 1s. 8d, 1zs. 1od. doz.; Hedakene powders, 1s. 8d., 1zs. 1od. doz.; 3s. 3d. doz.; 7dd. 6s. doz. Dr. Earl S. Sloan, Ltd., Amand shampoos, 4d., 3s. 3d. doz.; 7dd. 6s. doz. Dr. Earl S. Sloan, Ltd., Sloan's Brand liminent, 3s. 3d. doz.; 7dd. 6s. doz. Dr. Earl S. Sloan, Ltd., Sloan's Brand liminent, rod. doz.) Quantity terms on applicated. Sotol tooth paste, 1s. 3d., 12s. doz. pack, 19s. (Stamped

BUSINESS OPPORTUNITY

Wanted COSMETIC, PERFUMERY & TOILET Manufacturing Business

Advertisers are desirous of purchasing for prompt cash. All replies will be acknowledged and treated as strictly confidential. Kindly reply to 372/629, London Office of this Paper.

ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR? IF SO, READ THIS

In order to assist employees who have lost their employment, either through enemy action or through businesses being closed down in defence areas, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not ater than WEDNESDAY morning of week of issue.

WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war. Prospective employers are requested to give them special consideration

Advertisers in this Section should advise us immediately employment has been secured.

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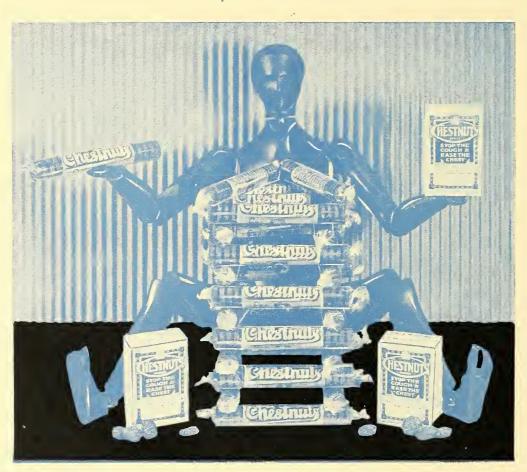
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The sale of British manufactured goods to Empire countries has always been substantial but in the past our exporters have not had to rely entirely on these markets. Today, however, with many foreign markets temporarily closed, there is a pressing need for increasing our sales to the Empire. Various branches of the pharmaceutical, chemical, drug and allied industries, through their Export Groups, have contributed articles in this issue of the C. & D. Export Supplement which we believe will be of particular interest to Empire buyers of these goods.

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We are engaged in waging war with determination to destroy Hitlerism. To do this, however, guns and munitions of all kinds are necessary. These cost money. We and our friends are finding this to the best of our ability, but everyone overseas can show practical sympathy by assisting our export



trade by purchasing, whenever possible, British goods and produce.

British manufacturers realise this is an age of keen competition, that a retailer cannot afford to be sentimental, that unless he purchases the best goods at the best prices, his rival will capture the trade. He, therefore, quite rightly examines goods submitted to him to see they are well up to standard as regards quality, comprehensive in range and competitive in price.

We believe potential purchasers in all parts of the Empire of British Pharmaceutical Chemicals, Medicines, Drugs, Perfumery and tollet Preparations and Photographic Goods, Druggists' sundries, etc., can examine the price lists and samples of these British goods with every confidence and that they will get complete satisfaction in the interests of their businesses and also have the satisfaction of knowing they are helping the British Empire to destroy the German beast.

Reginald Wilson, General Secretary.

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BRITISH FINE CHEMICALS FOR EXPORT

The British fine chemical industry is almost completely covered by the following groups of fine chemicals: medicinal and allied chemicals; laboratory chemicals; photographic chemicals; rare earths; synthetic aromatics, perfumes, isolates and their derivatives; alcohols, ethers and their derivatives; and solvents and plasticisers. The Directory of British Fine Chemicals, which has been brought to the attention of readers in past Export Supplements of The Chemist and DRUGGIST, lists many thousands of fine chemicals in the foregoing groups and overseas buyers have been invited to apply to the Fine Chemical Export Group, 166 Piccadilly, London, W.I. for a copy of this directory, which is issued gratis.

In the medicinal chemicals field, the British fine chemical industry has been most active, as soon as war conditions made it possible to get over the impediments set against home manufacture of important specialities, in making available for export markets as well as home requirements those highly complex specialities which, pre-war, were only available from enemy countries, notably Germany. But the fine chemical industry has done much more than that and, judging by the number of entirely new medicinal specialities which have been developed in Great Britain during the last few months, it would appear that war conditions have brought a new and effective incentive to British research workers.

In laboratory chemicals, the fine chemical industry can offer a range adequate to meet all the requirements of an ultra-complex war machine which in every direction demands more and more laboratory testing and control to ensure the highest quality of weapons and ammunition in all their modern varieties of form. And that means in practice a far wider variety and at least of a quality that is required in peace-time industry. Again, laboratory chemicals production is on such a scale that supplies are available for the export markets as well as for home consumption.

In regard to photographic chemicals nothing more need be said than that the Royal Air Force, to which aerial photography is an essential, relies on British photographic chemicals—and every reader knows with what success the R.A.F. is carrying out its work.

Space will not permit a detailed examination of the other groups of fine chemicals mentioned earlier in this article, but overseas purchasers may rest assured that in range and quality we in Britain "DELIVER THE GOODS."

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CANADIAN DRUG STORE SALES

(Contributed by a Canadian Correspondent)

The markets which lie in Canada for drugs, medicines and chemicals are now worth \$3,360,000 or approximately three-quarters of a million pounds. Of that total the United Kingdom took some £190,000 in 1939, while the United States' share was nearly £438,000. There can be no doubt that a much larger share of this market could be gained by Britain, and now is the time. The appeal of the case with the defiant Union Jack and the slogan "Britain delivers the goods" is strong in Canada. The people of the Dominion know that every Canadian dollar when spent on British goods helps the war effort. This fact is not being overlooked by the retailer in Canada, and many a British packing case is now the motif of a window display.

But sentiment alone will not win markets. Canadians are a hard-headed race even though their hearts may be soft. British exporters are faced with keen American and foreign competition and the former country is close at hand to study the requirements of the consumers. Methods may have already been devised by the Export Group of the various branches of the drug and chemical industries in this country for the pooling of agents in Canada. If not, some such step should be made, since although individual concerns may well be satisfied with their Dominion trade it must not be forgotten that if British trade as a whole is increased in Canada the more currency there is to buy the requirements of war.

Some idea of the necessity of having "a man on the spot" can be gathered from the fact that even the Internal Trade Branch of the Canadian Bureau of Statistics pointed out in their Regional Indexes of Drug Store Sales 1936/38 that these indexes, while providing a useful measure of the trend in consumer purchasing in the country as a whole, could not be considered as representative of the trend in any one region. In a country such as Canada with its vast geographical proportions and diversity in national resources, industries and climate, it is to be expected that there will be differences both in the seasonal pattern and also in the underlying trend in consumer purchasing in different sections. The Indexes referred to covered drug chain-stores sales and five hundred individual independent stores, which might be reckoned to transact more than 40 per cent. of the total drug store business in Canada, the coverage of sales ranging from 36 per cent. in the Province of British Columbia on the Pacific Coast

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Telegrams: Meggeson, Southpar k, London. 'Phone: BERmondsey 1741-2-3 to the 50 per cent. in the Maritime Provinces of Canada's Atlantic coast. Here is the chart of drug store sales made up from returns of stores from which records are available:—

		Total	Re	Reporting Monthly	dy
Region		Drug Store Sales	Number	Annual Sales, 1936	s, 1936
		r938 Estimated	of Stores	Amount	% of Total
		69		so	
CANADA	:	64,055,000	777	26,799,045	41.8
Maritime Provinces	:	4,735,000	88	2,434,165	51.4
Quebec	:	12,188,000	124	4,719,543	38.7
Ontario	:	30,647,000	361	13,389,721	43.7
Prairie Provinces	:	11,243,000	150	4,384,511	39.0
British Columbia	:	5,242,000	54	1,871,105	35.7

In considering these figures it must be remembered that Canadian drug stores also deal in many articles which do not come under the principal heading of drugs (cameras, candy, stationery, tobacco, etc.), but information secured from the larger retail stores regarding sales by commodity groups indicate that 55 per cent. of drug store sales consisted of drugs and drug sundries. Toilet articles and preparations accounted for close upon 13 per cent. One-third of the sales in the above chart must therefore be disregarded insofar as the drug trade is concerned.

The report, however, although based on 1936/38, reveals an upward rise in sales during 1936 and the first eight months of 1937. Sales for the Dominion averaged 8 per cent. higher in 1937 than in 1936, while gains for the various regions for which separate results were arrived at range from nearly 4 per cent. for the Prairie Provinces (Manitoba and Saskatchewan) to over 10 per cent. for the Maritime Provinces (Nova Scotia, New Brunswick, and Prince Edward Island).

The seasonal variations in Canadian drug store sales may be said to be more uniformly distributed over the various months of the year than is found to be the case in most lines of retail trade, but there is a peak in the month of December when sales average about 24 per cent. higher than a normal month due to Christmas trade. There is also a low point in the month of January due to a falling off in sales of pre-Christmas merchandise such as toilet articles and preparations.



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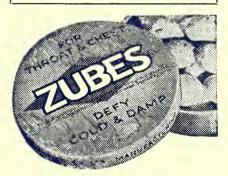
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BRITISH PHOTOGRAPHIC GOODS FOR EXPORT

The Chairman of the Photographic Industry Export Group, Dorland House, Lower Regent Street, London, S.W.1, briefly outlines the wide range of British goods of the industry available for export.

The extraordinary variety of uses to which sensitised photographic products can be put today has resulted in an ever wider variety of such goods being required. Britain, which leads the world in the field of sensitised products, provides the ideal material for every photographic purpose. There are famous British grades of roll, pack and cut film and plates which offer the maximum advantages in speed and latitude for amateur and general professional work. There are similarly advanced materials for photomechanical processes, for 35 mm. cinematography, for sub-standard cinematography, radiography and clinical work, and for photographic recording in its many forms. Scientists who require special plates for such purposes as spectroscopy and photomicography will find their needs fully catered for; and should specialist workers wish to have plates made to their own specifications they will receive willing assistance from British laboratories. The variety of negative materials produced in this country is paralleled by the production of sensitised papers.

Cameras made in England have a high reputation for the soundness of their workmanship and the efficiency of their design. These qualities apply equally to simple models which are produced in vast quantities in Britain to meet the popular demand and to the craftsman hand-built studio and cine cameras which are no less a feature of British camera production. Lenses made in England are most frequently chosen for use in leading British and Hollywood film studios, a sufficient tribute to their superlative quality.

In the field of accessory apparatus, chemicals and sundries, it is difficult to do more than lightly sketch the scope of British production. Quite apart from the accessories normally associated with amateur and specialist photography—supplementary lenses, filters, enlargers, studio illuminations, dark room equipment and so on-there is, for example, an extensive range of apparatus specially designed for the large-scale photo-finishing trade. Photographic chemicals produced in Britain are supplied in bulk, already mixed in packed form. These latter include the latest and most advanced developing formulæ for amateur, professional, scientific and other specialist photography.

Archibald Crawford, November, 1940. Chairman.

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The population of Newfoundland and Labrador is just under 300,000, so the market for chemical preparations and medical supplies is limited, and is hardly sufficient to command personal solicitations by representatives of English firms. Some British houses have subsidiary companies in Canada, which send representatives annually to Newfoundland. In the Customs Returns for 1938-39 the values of the imports of the above products are, in round numbers:-

United Kingdom, approx. \$80,000.00 Canada \$80,000.00 ,, \$80,000.00 ,, \$200,000.00 United States,

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It is fully realised by our hospital authorities and our medical practitioners that the quality of medical supplies from the United Kingdom is excellent, and probably the bigger purchases from the United States are due to better facilities of communication and to personal solicitations by representatives of American firms. There have been occasional instances. since war was declared, of some of our chemists and druggists finding difficulty in importing medical supplies from Britain, due to British firms being unable to obtain export licences for such goods.

What may prove of interest to British chemical firms is the present position with regard to refined cod liver oil. The Norwegian product will not be available for Great Britain, consequently Newfoundland becomes the principal source. The annual production of refined oil in Newfoundland has been for some years approximately 200,000 gallons. This production can easily be trebled, provided advance contracts are made so that our producers can set up a sufficient number of small refineries around the coast. A high percentage of cod livers is now thrown into puncheons for the production of cod oil. The exports of cod oil during the year 1938-39 were 844,169 gallons. During the same year the exports of refined oil were 162,286 gallons. Advanced contracts would enable our producers to provide annually at least 500,000 gallons of refined oil. This total was recorded some years ago. It will, however, be impossible to reach this figure unless the business is organised at least two or three months before the beginning of the summer fishery about the end of June.

D. James Davies, Trade Commissioner for London, S.W.I. Newfoundland.

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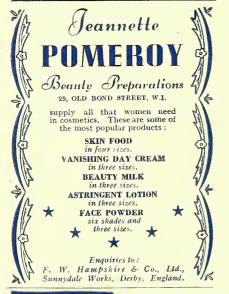
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